



WELCOME

To

APT - INDIA





ADVANCED POWERTECH

» WE ARE A SINGLE WINDOW SOLUTION
FOR CUSTOMIZATION, DESIGN,
DEVELOPMENT AND PRODUCTION FOR
VARIOUS PRODUCTS WITH:-

- Full fledged R&D
- Latest Production Unit
- Modern Test Equipments
- Dedicated Production Team
- Experienced Quality Assurance Team
- Well Experienced Marketing & Sales Team.



- Advanced Powertech (APT) an ISO certified company, Established in the year 2005, are one of the youngest and leading manufacturers of a wide range of SMPS, Drivers for power LEDs, AC+DC-DC Converters, Adaptors, Battery Chargers, Our product range varies from 5W to 2KW.
- Advanced Powertech (APT) has emerged as a key player in the segment of electronic power supplies within a relatively short span of time. Bearing a name that exudes confidence, reliability and dedication, we are proud to be acknowledged as a reputed **manufacturer and supplier** of a premium range of electronic / electrical items including.



Our PRODUCTS:

- SMPS,
- Drivers for Power LEDs,
 - Battery Chargers,
 - AC+DC-DC Converters,
 - Adaptors,
 - DC-DC Converters,
- General Purpose Power Supplies,
- LED Fittings for Solar and other applications,
 - Solar Lantern (CFL / LED),
 - and many other allied products.



Applications:

- Lighting Application/LED Street Lights, Led Home Lights
- Moving LED Display Boards
- Industrial Process Control
- Battery Charging
- R.O. Machines
- VHF Wireless sets
- Audio Amplifiers
- Surgical Equipments
- Emergency Lights
- P.I.U (Telecom Application)
- CCTV & Electronic Security Products, etc.



Some of Our Valuable Clients:

- North Western Railway.
- Philips Electronics India Ltd.
- Havlles India Ltd.
- Osram India Pvt. Ltd.
- Mosar Baer India Ltd.
- Honeywell Automation India Ltd.
- Honeywell International (I) Pvt. Ltd.
- Applied Solar Technologies
- Autometer Alliance Ltd.
- Thorn Lighting India Pvt. Ltd.
- AndsLite Pvt. Ltd.
- Numeric Power Systems Ltd.



PRODUCT WISE
SPECIFICATIONS
WITH IMAGE:



PRODUCT CODE: APT- [DC TO DC LED DRIVER]

Technical Specification:

- Input: 9 to 14VDC;
- Output: 21V@700mA
- Efficiency: $\geq 90\%$ at full load & normal I/P.
- Size: 53mm x 30mm x 12mm approx.



PRODUCT CODE: APT-2 [1-2 & 2-4 LED's X 1W] DRIVER

Technical Specification:

- Input: 90 to 300 VAC ; 47 - 53 Hz
- Output: 8V/ 16V@350mA CC
- Line and Load Regulation: <2 %
- Ripple < 1 %, Efficiency: ≥ 75 % at full load and normal I /P
- Operating Temperature: 0 to 50 deg C ; RH 95 % non condensing
- Input / Output Isolation > 1 Kv rms @50 Hz for 1 minute.
- Size: 52mm x 30mm x 15mm approx.

Additional Features:

- Over temperature protection
- Output short circuit protection
- Integrated Mosfet and PWM controllers for – greater reliability and space saving



PRODUCT CODE: APT-2 [1-2 & 2-4 LED's X 1W] DRIVER

Technical Specification:

- Input: 90 to 300 VAC ; 47 - 53 Hz
- Output: 8V/ 16V@350mA CC
- Line and Load Regulation: <2 %
- Ripple < 1 %, Efficiency: ≥ 75 % at full load and normal I /P
- Operating Temperature: 0 to 50 deg C ; RH 95 % non condensing
- Input / Output Isolation > 1 Kv rms @50 Hz for 1 minute.
- Size: 52mm x 30mm x 15mm approx.

Additional Features:

- Over temperature protection
- Output short circuit protection
- Integrated Mosfet and PWM controllers for – greater reliability and space saving



PRODUCT CODE: ADP-3[48V@200MA]

Technical Specifications:

- Input: 90 to 300 VAC; 47 - 53 HZ
- Output: 48V@200mA.
- Size: 65 mm X 50 mm X 32 mm (lxbxh)
- Line and Load Regulation: <1 %
- Ripple < 1 %, Efficiency >70 % at full load and normal I /P
- Operating Temperature: 0 to 50 deg C ; RH 95 % non condensing
- Input / Output Isolation > 1 Kv rms @50 Hz for 1 minute.

Additional Features:

- Over temperature protection
- Output short circuit protection
- Output over voltage protection
- Output LED indication



PRODUCT CODE: APT-3B [12V@1A] B.C.

Technical Specifications:

- Input: 90 to 300 VACS; 47 - 53 HZ
- Output: 12V@1A CVCC
- Ripple: < 1 %, Efficiency: ≥ 80 % at full load and normal I /P
- Line and Load Regulation: <1 %
- Operating Temperature: 0 to 50 deg C ; RH 95 % non condensing
- Input / Output Isolation > 1 Kv rms @50 Hz for 1 minute.
- Size: 90mm X 65mm X 53mm

Additional Features:

- Over temperature protection
- Output short circuit protection
- Output over voltage protection



PRODUCT CODE: APT- 04 [6-8 LED'S DRIVER]

Technical Specification:

- Input: 160 to 300 VACS;
- Output: 24V@350mA
- Ripple: <1 %, Efficiency: $\geq 80\%$ at full load and normal I /P
- Line and Load Regulation: <1 %
- Operating Temperature: 0 to 50°C ; RH 95 % non condensing
- Input / Output Isolation: >1kv rms @50 Hz for 1 minute.
- Size: 60mm X 33mm X 27mm.

Additional Features:

- Over temperature protection.
- Output short circuit protection.
- Input EMI-RFI filters.
- Screw type input/ output connectors.
- Output LED indication.
- Integrated Mosfet and PWM controllers for –
- greater reliability and space saving.



PRODUCT CODE: APT- 04B [6W LED DRIVER]

Technical Specification:

- Input: 100 to 300 VACS;
- Output: 21V@330mA
- Ripple: <1 %, Efficiency: $\geq 80\%$ at full load and normal I /P
- Line and Load Regulation: <1 %
- Operating Temperature: 0 to 50°C ; RH 95 % non condensing
- Input / Output Isolation: >1kv rms @50 Hz for 1 minute.
- Size: 53mm X 22mm X 20mm.

Additional Features:

- Over temperature protection.
- Output short circuit protection.



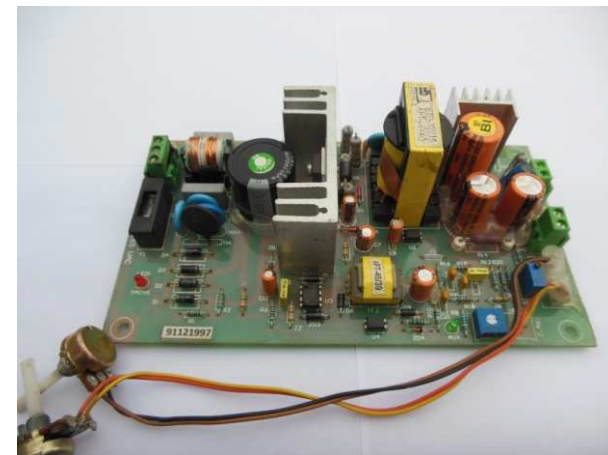
PRODUCT CODE: APT-05 [2-36V@2 AMP] VARIABLE

Technical Specifications:

- Input: 165-270VAC; 47-53Hz.
- Output: 2-36 DC@2A CVCC.
- Ripple: <1%, Efficiency: $\geq 77\%$ at full load and normal I/P
- Line and Load Regulation: < 1%
- Operating Temperature: 0 to 50 deg C; RH 95 % non condensing
- Input /Output Isolation: >1 Kv rms @50Hz for 1minute
- Size: 180mm x 98mm x 48mm

○ Additional Features

- Output short circuit protection
- Integrated Mosfet and PWM controllers for –
- greater reliability and space saving.



PRODUCT CODE: APT-07 [SOLAR INVERTOR]

Technical Specifications:

- Input: 40-57V DC;
- Output: 300V DC @ 400mA. [120W CFL Load]
- Size: 163mm X 150mm X 78mm

Additional Features

- Over temperature protection.
- Output short circuit protection.
- Output over load protection.
- Low battery cut.
- Input reverse polarity protection.



PRODUCT CODE: APT-09A [12V@1A/ 5V@2A/ 24V@750mA]

Technical Specifications:

- Input: 170 to 265 VAC ; 47 - 53 HZ
- Output: 12V @1A/ 5V@2A/ 24V@750mA
- Line and Load Regulation: <1 %
- Ripple: < 1%, Efficiency: ≥ 77 % at full load and normal I /P
- Operating Temperature: 0 to 50 deg C ; RH 95 % non condensing
- Input / Output Isolation: >1KV rms @50 Hz for 1 minute.
- Size: 130 mm X 64 mm X 38 mm

Additional Features:

- Over temperature protection
- Output short circuit protection
- Output over voltage protection



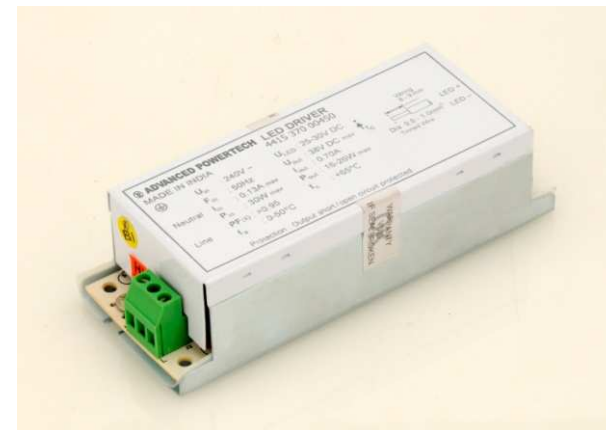
PRODUCT CODE: APT-10[25W LED DRIVER]

Technical Specifications:

- Input: 90 to 300Vac;
- Output: 35V @ 700mA
- PF: ≥ 0.95
- THD: $< 10\%$
- Efficiency: $\geq 85\%$ at full load and normal I/P.
- Line & Load Regulation: $\pm 3\%$
- Operating Temperature: Up to 50°C ; RH 95% non condensing.
- Input/ Output Isolation: 1.5kv rms@50Hz for 1 minute.
- Output Current Variation: $\pm 5\%$
- Surge: With stand up to 2KV.
- Size: 132mm x 51mm x 37mm

Additional Features:

- Output short circuit protection.



PRODUCT CODE: APT-11[A19 BULB DRIVER(8W)]

Technical Specifications:

- Input: 100 ~ 300Vac; 50~60Hz.
- Output: 18V@350mA
- PF: ≥ 0.90
- THD: $\leq 25\%$
- Line & Load Regulation: $\pm 5\%$
- Efficiency: $\geq 80\%$ at full load and normal I/P
- Output Current Variation: $\pm 5\%$
- Operating Temperature: -10 to 50°C; RH 95 non Condensing.
- Size: 45mm x 25mm x 15mm



PRODUCT CODE: APT-12[SMPS 5V@4A]

Technical Specifications:

- Input: 165 ~ 265 V ac; 47 ~ 53 Hz
- Output: 5V @4A
- Line and Load Regulation: <1 %
- Ripple: < 1%, Efficiency: >77 % at full load and normal I/P
- Operating Temperature: 0 to 50 deg C ; RH 95 % non condensing
- Input / Output Isolation: >1KV rms @50 Hz for 1 minute.
- Size: 130mm x 66mm x 31mm

Additional Features:

- Over temperature protection
- Output short circuit protection
- Output over voltage protection
- Input EMI-RFI filters
- Screw type input / output connectors
- Output LED indication
- Integrated Mosfet and PWM controllers for greater reliability and space saving



PRODUCT CODE: APT-13 [24V@2A] FOR R.O. ADAPTER

Technical Specifications:

- Input: 165 ~ 300Vac; 47 - 53 Hz
- Output: 24V @2A
- Ripple: <1%, Efficiency: $\geq 86\%$ at full load and normal I/P
- Line and load regulation: <1%
- Operating temperature: -10 to 50°C RH 95% on condensing
- Input/ Output isolation: >1.5kv rms @50Hz for 1min.
- Size: 165mm x 68mm x 47mm.

Additional Features:

- Output short circuit protection.
- Input EMI-RMI filters.
- Input under voltage protection.
- Input over voltage protection.
- Integrated Mosfet and PWM controller for –
- greater reliability and space saving.
- Stand by power: <0.3W



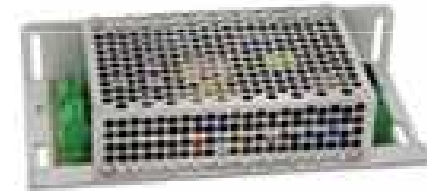
PRODUCT CODE: APT-14A [5V@10A/ 12V@4A/ 24V@2A]

Technical Specifications:

- Input: 170 ~ 300VAC; 47~53 Hz, L-N-E feature.
- Output: 5V@10A/ 12V @4A/ 24V@2A.
- Ripple: < 1%, Efficiency: ≥ 73 % at full load and normal I /P
- Line and Load Regulation: <1 %
- Operating Temperature: 0 to 50 deg C ; RH 95 % non condensing
- Input / Output Isolation : >1KV rms @50 Hz for 1 minute.
- Size: 170mm X 82mm X 43mm

Additional Features:

- Over temperature protection.
- Output short circuit protection.
- Output over voltage shutdown protection.
- Input over voltage shutdown protection.
- Input EMI-RFI filters along with MOV protection.
- Screw type input / output connectors
- Output LED indication
- Soft start feature.
- Integrated Mosfet and PWM controllers for greater reliability and space saving



PRODUCT CODE:APT-21[16-24LEDS x 1W]

Technical Specifications:

- Input Voltage Range: 90VAC to 300VAC
- Frequency: 47Hz to 53Hz
- Output Voltage Rating: 84V @350mA (Current limit).
- Efficiency: >80% (at full load at 220VAC)
- Operating Temp. Range: 0deg C to 50deg C.
- Current Regulation: Less than 1% over entire line variation, load variation.
- Size: 160mm x 85mm x 30mm

Additional Features:

- Input over voltage cut-off for $V_{ac} > 300VAC$.
- Surge protection at input and output.
- Latched output over voltage protection at 90V(approx.)
- Latched output over current protection $> 425mA$.
- Latched output short circuit protection.
- Over temperature protection.



PRODUCT CODE:APT-21A[8-15LEDS*3W]

Technical Specifications:

- Input Voltage Range: 90VAC to 300VAC
- Frequency: 47Hz to 53Hz
- Output Voltage Rating: 52V @700mA (Current limit).
- Efficiency: >80% (at full load at 220VAC)
- Operating Temp. Range: 0deg C to 50deg C.
- Current Regulation: Less than 1% over entire line variation, load variation.
- Size: 160mm x 85mm x 30mm

Additional Features

- Input over voltage cut-off for $V_{ac} > 300VAC$.
- Surge protection at input and output.
- Latched output over voltage protection at 60V(approx.)
- Latched output over current protection >800mA.
- Latched output short circuit protection.
- Over temperature protection.



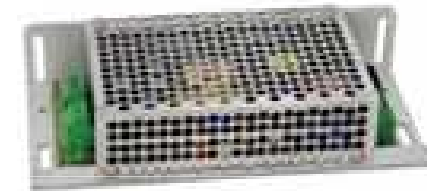
PRODUCT CODE:APT-23 [13.5V@2A BATT. CHARGER]

Technical Specifications:

- Input: 170~300 VAC; 47~53Hz
- Output: 13.5V @2A FCBC.
- Ripple: <1%, Efficiency: $\geq 70\%$ at full load and normal I /P
- Line and Load Regulation: <1 %
- Operating Temperature: 0 to 50 deg C ; RH 95 % non condensing
- Input / Output Isolation: >1KV rms @ 50 Hz for 1 minute.
- Size: 170mm X 82mm X 43mm

Additional Features:

- Natural cooling
- Output short circuit protection
- Input EMI-RFI filters along with MOV protection
- Screw type input / output connectors
- Output LED indication
- Integrated Mosfet and PWM controllers for greater reliability and space saving
- Output voltage can be adjusted over: ± 1 Volt
- LED Indication after fully charged.



PRODUCT CODE: APT-26HB [12V@1A(BATT.)+1.5A (LOAD)]

Technical Specifications:

- Input: 165~265V AC; 50~60Hz.
- Output: 13.5V @1A CVCC for Charging + 1.5A CV to Load.
- Line & Load Regulation: $\pm 5\%$
- Efficiency: $\geq 79\%$ at full load and normal I /P
- Operating Temperature: -10 to 50°C; RH 95% non condensing
- Output Isolation: 1.5kv rms @50Hz for 1 minute.
- Output Current Variation: $\pm 5\%$
- Size: 153mm x 85mm x 36mm.

Additional Features:

- Auto switch when power off [UPS function]
- Battery low signal at deep discharge mode.
- Low battery protection
- Short circuit protection.
- Reverse battery indication.



PRODUCT CODE: APT-27C [24V@6A/ 27V@5A]

Technical Specifications:

- Input: 170 ~ 265V AC; 47~53Hz.
- Output: 24V @6A/ 27V@5A CVCC.
- Ripple: <1%, Efficiency: ≥ 75 % at full load and normal I /P
- Line and Load Regulation: <1 %
- Operating Temperature: 0 to 50 deg C ; RH 95 % non condensing
- Input / Output Isolation: >1KV rms @50 Hz for 1 minute.
- Output Current Variation: ± 5 %
- Size: 192mm x 190mm x 90mm.

Additional Features:

- Natural cooling.
- Output short circuit protection
- Output over voltage shut down (latch type)
- Mains ON indication.
- Input EMI-RFI filters
- Screw type input / output connectors
- Charger Cum Power Supply facility.



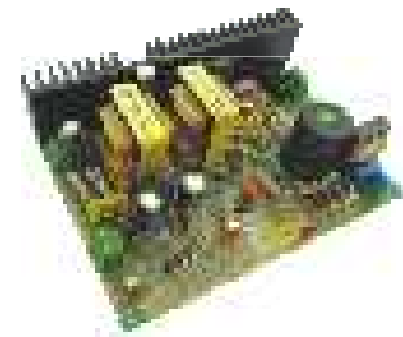
PRODUCT CODE: APT-29A [27V@5A] BATT. CHARGER

Technical Specifications:

- Input: 170 ~ 265VAC; 50~60Hz
- Output: 27V @5A CVCC
- Line and Load Regulation: <1%
- Ripple: <1%, Efficiency: $\geq 75\%$ at full load and normal I/P
- Operating Temperature: 0 to 50 deg C; RH 95 % non condensing
- Input / Output Isolation: >1KV rms @50 Hz for 1 minute.
- Size: 185mm X 142mm X 48mm

Additional Features:

- Natural cooling
- Output short circuit protection
- Output over voltage shut down (latch type)
- Input EMI-RFI filters
- Screw type input / output connectors
- Output LED indication
- Reverse Polarity Protection through.



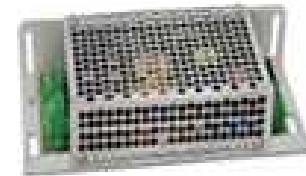
PRODUCT CODE: APT-30A [5V@5A/ 12V@2A/ 24V@1A]

Technical Specifications:

- Input: 170 ~ 300VAC; 50~60Hz
- Output: 5V@5A/ 12V @2A/ 24V@1A.
- Line and Load Regulation: <1 %
- Ripple: <1%, Efficiency: $\geq 81\%$ at full load and normal I/P
- Operating Temperature: 0 to 50 deg C ; RH 95 %non condensing
- Input / Output Isolation: >1KV rms @50 Hz for 1 minute
- Size: 121 x 68 x 44mm [With Box] or 130mm x 66mm x 30mm [Open]

Additional Features:

- Over temperature protection
- Output short circuit protection
- Output over voltage protection
- Input over voltage protection
- Input EMI-RFI filters
- Screw type input / output connectors
- Output LED indication
- Integrated Mosfet and PWM controllers for greater reliability and space saving



PRODUCT CODE: APT-31 [DC TO DC CONVERTOR]

Technical Specifications:

- Input: 24 to 48VDC;
- Output: 12V @1A/ 24V@500mA.
- Size: 102mm x 56mm x 30mm

Additional Features:

- Input reverse polarity protection



PRODUCT CODE: APT-34 [24LED's x 3W]

Technical Specifications:

- Input: 170 to 300VAC ; 47 - 53 Hz
- Output: 85V @700mA CC or 65V@1Amp.
- Power factor: $\geq 0.90 \sim 0.99$
- THD: $\leq 12\%$
- Line and Load Regulation: 1 %
- Ripple < 1 %, Efficiency: >80% at full load and normal I/P
- Operating Temperature: 0 to 50 deg C ; RH 95 % non condensing
- Input / Output Isolation > 1KV rms @50 Hz for 1 minute.
- Size: 162mm x 81mm x 30mm

Additional Features:

- Output short circuit protection
- Input brown out protection
- Over temperature protection
- Soft start feature
- PWM/ Analog dimming can be integrated.



PRODUCT CODE: APT-36 [13.7V@4A BATT. + 8A LOAD]

Technical Specifications:

- Input: 160 to 275VAC
- Output: 13.7V @ 12A
- Size: 180mm x 91mm x 55mm

Additional Features:

- Short circuit protection
- Power supply able to charge single or two 12V/26Ah battery
- Input over voltage protection
- Input brown out protection
- Over temperature shut down




PRODUCT CODE:APT-39D [5v@1AMP]

Technical Specifications:

- Input: 170 to 265 VACS; 47 - 53 HZ
- Output: 5 V @ 1 A
- Size:
- Line and Load Regulation: <1 %
- Ripple < 1 %, Efficiency >70 % at full load and normal I /P
- Operating Temperature: 0 to 50 deg C; RH 95 % non condensing.
- Input / Output Isolation > 1 KV rms @50 Hz for 1 minute.

Additional Features:

- Over temperature protection
 - Output short circuit protection
 - Screw type input / output connectors
 - Output LED indication
 - Integrated Mosfet and PWM controllers for greater reliability and space saving
- 

PRODUCT CODE: APT-42 [40W IND. BATTEN]

- AC Input Range : 150V~300V AC; 50-60Hz
- Output : 40V@1A
- Power Factor : ≥ 0.95
- Current THD: $\leq 10\%$ as per IEC standards
- Efficiency : $\geq 85\%$ at full load and normal I/P
- Line and load regulation: $\pm 3\%$
- Operating Temperature: Up to 50°C RH 95% non condensing
- Output Isolation : 1.5kv rms @50Hz for 1 Minute
- Output current variation : $\pm 5\%$
- Surge: With stand up to 2.5kv
- Size : 180mm x 48mm x 35mm

Additional Features:

- Output short circuit protection : Yes
- Output no load protection : Yes



PRODUCT CODE: APT-43 [11W CFL INVERTER WITH SOLAR CHARGE CONTROLLER]

- Input Range : 12VDC;
- Solar Cum Battery Backup.
- Size : 145mm x 99mm x 30mm



Additional Features:

- Charge Controller Function Build In.



PRODUCT CODE: APT-49 [13.5V@10A] B.C.

Technical Specification:

- Input: 90 to 300Vac ; 50-60Hz , 3 wire.
- Output: **14.2V@10A** FCBC Charging
- Line and Load Regulation: 1%
- Ripple: <1%, Efficiency: ≥81% at full load and normal I /P
- Operating Temperature: -10 to 50 deg C ; RH 95 % non condensing
- Output Isolation: >1Kv rms @50 Hz for 1 minute.
- Output variation: ±5% through preset
- Size: 180mm x 117mm x 88mm

Additional Features:

- Potential free contact, External shut down feature.
- Over temperature protection ,
- Output short circuit protection, Input EMI-RFI filters
- Screw type input / output connectors
- Output LED indication flot cum boost
- Integrated MOSFET and PWM controllers for greater reliability-
- and cooling with fan, space saving.



PRODUCT CODE: APT-49 [12V@12A] PSU

Technical Specification:

- Input: 90 to 300Vac ; 50-60Hz , 3 wire.
- Output: 12V@12A
- Line and Load Regulation: 1%
- Ripple: <1%, Efficiency: $\geq 81\%$ at full load and normal I /P
- Operating Temperature: -10 to 50 deg C ; RH 95 % non condensing
- Output Isolation: >1Kv rms @50 Hz for 1 minute.
- Output variation: $\pm 5\%$ through preset
- Size: 180mm x 117mm x 88mm

Additional Features:

- Over temperature protection ,
- Output short circuit protection.
- Input EMI-RFI filters
- Screw type input / output connectors
- Output LED indication.
- Integrated MOSFET and PWM controllers for greater reliability-
- and cooling with fan, space saving.



PRODUCT CODE: APT-53 [DC TO DC CONVERTER]

Technical Specification:

- Input: 10~14V DC;
- Output: 24V@1.5A + 5V@0.6A
- Line and Load Regulation: 1%
- Ripple: <1%, Efficiency: $\geq 90\%$ at full load and normal I /P
- Operating Temperature: Up to 50 deg C ; RH 95 % non condensing
- Output Isolation: >1.5Kv rms @50 Hz for 1 minute.
- Size: 165mm x 68mm x 47mm

Additional Features:

- Output short circuit protection
- Input reverse polarity protection
- Output over voltage protection
- Stand by power 150mW



PRODUCT CODE: APT-55 [28, 32, 36, 40W DRIVERS]

Technical Specification:

- Input: 150 ~ 300Vac; 50 - 60Hz.
- Output: 40V@700/ 800/ 900/ 1000mA
- PF: 0.95~0.99
- THD: $\leq 10\%$
- Efficiency: $\geq 87\%$
- Line & load regulation: 1%
- Operating Temperature: Up to 50°C; RH 95% non condensing.
- Input/ Output Isolation: 2kv rms @50Hz for 1 minute.
- Output Current Variation: $\pm 5\%$
- Surge: With stand up to 2.5KV
- Size: 185mm x 75mm x 46mm

Additional Features:

- Output short circuit protection.
- Output no load protection.
- Input over voltage shutdown.
- Natural Dimming < 100Vac
- Input EMI-RMI filters: Integrated
- Single stage operation.
- Stand by power: 500mW



PRODUCT CODE: APT-56 [48V@700mA] LED DRIVER

Technical Specification:

- Input: 150 ~ 300Vac; 50 ~ 60 Hz.
- Output: 48V@700mA
- PF: 0.95~0.99
- THD: <10%
- Efficiency: $\geq 87\%$ at 240Vac at full load.
- Line & load regulation: 1%
- Operating Temperature: Up to 50°C; RH 95% non condensing.
- Input/ Output Isolation: 3.75kv rms @50Hz for 1 minute.
- Output Current Variation: $\pm 5\%$
- Surge: With stand up to 3KV
- Size: 180mm x 48mm x 35mm

Additional Features:

- Output short circuit protection.
- Output no load protection.
- Input over voltage shutdown.
- Natural Dimming <115Vac
- Input EMI-RMI filters: Integrated
- Single stage operation.
- Stand by power: 500mW



PRODUCT CODE: APT-58 [50W LED DRIVER]

Technical Specification:

- Input: 100 ~ 300Vac; 47 ~ 53Hz.
- Output: 40V@1.3A
- PF: ≥ 0.9
- THD: $< 15\%$
- Efficiency: $\geq 87\%$ at full load and normal I/P.
- Line & load regulation: 1%
- Operating Temperature: Up to 50°C; RH 95% non condensing.
- Input/ Output Isolation: $> 2\text{kv rms @} 50\text{Hz}$ for 1 minute.
- Surge: With stand up to 2KV
- Size: 180mm x 48mm x 35mm

Additional Features:

- Output short circuit protection.
- Open Circuit protection.
- Input line protection.



PRODUCT CODE: APT-59 [6W & 9W LED DRIVER]

Technical Specification:

- Input: 100 ~ 300Vac ; 50 ~ 60 Hz.
- Output: 20V@300mA/ 480mA
- PF: 0.95~0.99
- THD: <25% as per IEC standard.
- Efficiency: $\geq 81\%$ at full load & normal I/P.
- Line & load regulation: $\pm 5\%$
- Operating Temperature: -10 to 50°C; RH 95% non condensing.
- Output Isolation: 1.5kv rms @50Hz for 1 minute.
- Output Current Variation: $\pm 5\%$
- Surge: With stand up to 2.5KV
- Size: 131mm x 40mm x 32mm

Additional Features:

- Output short circuit protection.
- Output no load protection.
- Input line protection.



PRODUCT CODE: APT-60 [12W & 18W LED DRIVER]

Technical Specification:

- Input: 100 ~ 300Vac; 50~60Hz.
- Output: 40V@300mA/ 480mA
- PF: 0.95~0.99
- THD: <25% as per IEC standard.
- Efficiency: $\geq 81\%$ at full load & normal I/P.
- Line & load regulation: $\pm 5\%$
- Operating Temperature: -10 to 50°C; RH 95% non condensing.
- Output Isolation: 1.5kv rms @50Hz for 1 minute.
- Output Current Variation: $\pm 5\%$
- Surge: With stand up to 2.5KV
- Size: 138mm x 47mm x 32mm

Additional Features:

- Output short circuit protection.
- Output no load protection.
- Input line protection.



PRODUCT CODE: APT-61 [300W PSU]

Technical Specification:

- Input: 100 ~ 300Vac; 50~60Hz.
- Output: 12V@25A
- PF: 0.90~0.99
- THD: <10%
- Efficiency: $\geq 88\%$ at full load & normal I/P.
- Line & load regulation: $\pm 5\%$
- Operating Temperature: -10 to 50°C; RH 95% non condensing.
- Output Isolation: 1.5kv rms @50Hz for 1 minute.
- Output Current Variation: $\pm 5\%$
- Size: 290mm x 135mm x 60mm

Additional Features:

- Output short circuit protection.
- Output no load protection.
- Input line protection.
- Over Temperature Protection.



PRODUCT CODE: APT-62 [475W PSU/B.C.]

Technical Specification:

- Input: 100 ~ 300Vac; 50~60Hz.
- Output: 13.5V@25A/ 13.5V@10A Battery Charger
- PF: 0.90~0.99
- THD: <10%
- Efficiency: $\geq 88\%$ at full load & normal I/P.
- Line & load regulation: $\pm 5\%$
- Operating Temperature: -10 to 50°C; RH 95% non condensing.
- Output Isolation: 1.5kv rms @50Hz for 1 minute.
- Output Current Variation: $\pm 5\%$
- Size: 290mm x 135mm x 60mm

Additional Features:

- Output short circuit protection.
- Output no load protection.
- Input line protection.
- Over Temperature Protection.
- Reverse Battery Protection.



PRODUCT CODE: APT-67 [15W T8-LED DRIVER]

Technical Specification: -

- **Input Range : 140~300V AC; 50-60Hz**
- **Output : 50V@300mA**
- **Power Factor: 0.95-0.99**
- **Current THD: <25% as per IEC standards**
- **Efficiency: $\geq 85\%$ at full load and normal I/P**
- **Line and load regulation: $\pm 5\%$**
- **Operating Temperature : -10 to 50°C RH 95% non condensing**
- **Output Isolation : 1.5KV rms @50Hz for 1 Minute**
- **Output current variation : $\pm 5\%$**
- **Surge: With stand up to 2.5KV**
- **Size : 285mm x 20mm x 13mm**

Additional Features: -

- **Output short circuit protection.**
- **Output no load protection.**
- **Input line protection.**

