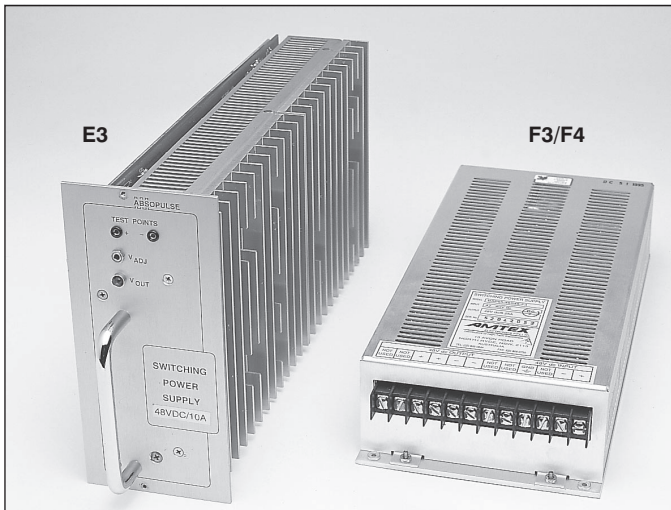


HBC SERIES

AC/DC Single Output: 300 - 500 Watts



Features

- 500W per module or 2500W per shelf.
- Eurocard - hot insertable, option.
- N+1 redundancy option.
- Regulated and isolated output.
- Thermal protection.
- HBC419: 4U x 304 x 16HP
- Also available with Power Factor correction: PFC319 & PFC419 Series.
- Chassis mount units.
- EMC approved.
- Battery charging options.
- Parallel operation of modules allows systems in KW to be built.

Specifications

INPUT VOLTAGE:	115/230 VAC \pm 15%.
FREQUENCY:	47- 63HZ.
INPUT PROTECTION:	Inrush current limiting, thermal fuse.
ISOLATION:	Input - output: 3750 VDC Input - chassis: 2250 VDC Output - chassis: 500 VDC
EFFICIENCY:	Typically 85% at nominal input.
OUTPUT VOLTAGE:	24 and 48 VDC are standard. Other voltages on request.
OUTPUT VOLTAGE ADJ:	\pm 5%
OUTPUT POWER:	300-500 watts per module.
LINE REGULATION:	\pm 0.5% over input range.
LOAD REGULATION:	\pm 2% for 24V, \pm 1% for 48V
EMC:	EN55022 - A
RIPPLE & NOISE:	Typically 1% of V out.
HOLD UP TIME:	Typically 20ms, at nominal input.
PROTECTION:	* Current limiting with short circuit protection rectangular current limit. * Overvoltage protection. * Thermal protection.
TEMPERATURE DRIFT:	0.03% per $^{\circ}$ C
OPERATING TEMP:	0 $^{\circ}$ to 50 $^{\circ}$ C at rated power. Derate 2.5% per $^{\circ}$ C from 50 $^{\circ}$ C to 70 $^{\circ}$ C
HUMIDITY:	5-95% non-condensing. Conformal coating optional for "Fungus Resistant".
COOLING:	Free air convection. Consult Amtex for complex high power systems.
CONNECTIONS:	HBC419 Module: H15 spade for hot plug-in . Racks: Terminals at rear of rack. HBC65/HBC319: Screw terminals.
ALARMS:	Customer specified - option. The STD alarm: Form C relay contacts. (consult office for details)
TEST POINTS:	Test points on front panel for measuring V out before output diode - HBC419
INDICATORS:	LED for each module on front panel to monitor DC OK - HBC419 and OLC65
DIMENSIONS:	HBC419: 4U x 304 x 16HP LOT65: 4U x 304 x 14HP Rack: Standard 19in. rack x 4U HBC65: 290 x 132 x 62mm - F3 HBC319: 353 x 132 x 62mm - F4

HBC SERIES

AC/DC Single Output: 300 - 500 Watts

MODEL	Output V A	Power W
HBC65 - 12 F3	12V 25A	300W
HBC65 - 15 F3	15V 20A	300W
HBC65 - 24 F3	24V 12.5A	300W
HBC65 - 28 F3	28V 10.5A	300W
HBC65 - 48 F3	48V 6.2A	300W
HBC65 - 120 F3	120V 2.5A	300W
LOT65 - 12 E3	12V 25A	300W
LOT65 - 15 E3	15V 20A	300W
LOT65 - 24 E3	24V 12.5A	300W
LOT65 - 28 E3	28V 10.5A	300W
LOT65 - 48 E3	48V 6.2A	300W
LOT65 - 120 E3	120V 2.5A	300W

Notes:

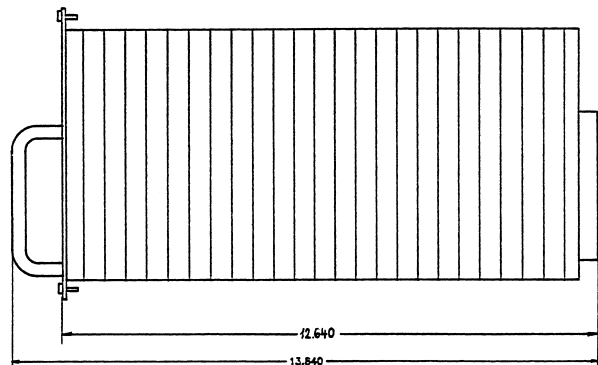
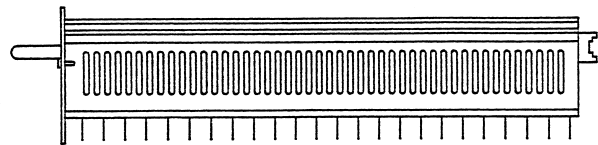
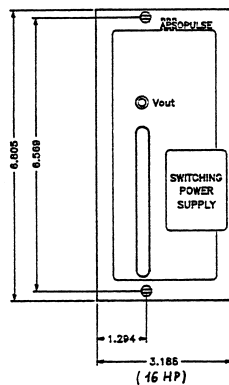
- HBC65 and LOT65 units can be supplied with any combination of voltage and current settings up to 120V 40A within the maximum power of 300W.
- HBC319-F3 vented case with screw terminals.
- LOT65 is a 4U x 304 x 16HP Eurocard.
- Units can be supplied as battery chargers.

MODEL	Output V A	Power W
HBC319 - 12 F4	12V 20A	240W
HBC319 - 24 F4	24V 20A	500W
HBC319 - 28 F4	28V 18A	500W
HBC319 - 48 F4	48V 10A	500W
HBC319 - 60 F4	60V 8.3A	500W
HBC419 - 24 E3	24V 20A	500W
HBC419 - 28 E3	28V 18A	500W
HBC419 - 48 E3	48V 10A	500W
HBC419 - 60 E3	60V 8.3A	500W

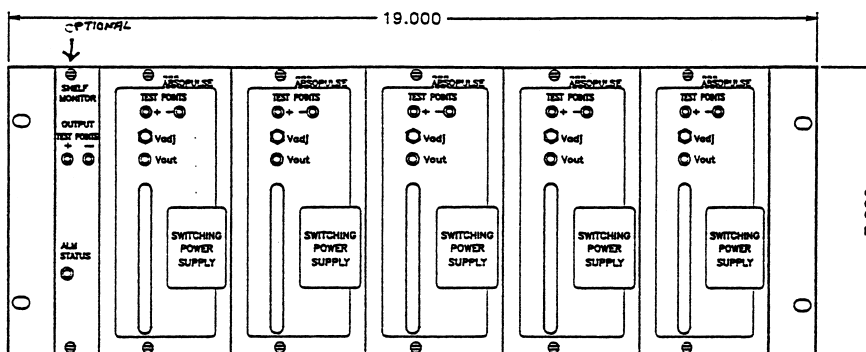
Notes:

- HBC319 and HBC419 units can be supplied with any combination of voltage and current settings up to 60V 20A within the maximum power of 500W.
- HBC319-F4 vented case with screw terminals.
- HBC419-E3 is a 4U x 304 x 16HP Eurocard.
- Units can be supplied as battery chargers.

OLC65 & HBC419 MODULE OUTLINE



19in RACK ASSEMBLY WITH FIVE HBC419 MODULES



FRONT VIEW