

16V / 7.5A Medical Power Adapter

KAGA FEI P/N 1100-2045, Rev B | MPN EM11011H(4-p)

PRODUCT IDENTIFICATION

Model: EM11011H
MPN: EM11011H(4-p)
Customer P/N: 1100-2045, Rev B
Output: 16.0VDC / 7.5A / 120W

FEATURES

- 120W maximum output; 16VDC / 7.5A
- Universal 100-240VAC input, 47-63Hz
- CEC Level VI; 88% average efficiency
- No-load power consumption: 0.21W
- Active PFC; PF >0.95 @100VAC
- Short-circuit / OVP / OCP protection
- MTBF: 100,000 hours @ 25°C
- UL/cUL, TÜV, CB, CE, FCC; EN 55011 Class B

ELECTRICAL SPECIFICATIONS

Input voltage	100-240VAC +/-10%, single phase
Input frequency	47-63Hz
Input current	2.0A max @115VAC; 1.0A max @230VAC, full load
Output voltage / current	16VDC / 0-7.5A
Output tolerance	±5% (15.2-16.8VDC)
Line regulation	±1% max @ full load
Dynamic load regulation	±5% excursion, 50%-100% load change, up to 1kHz
Ripple & noise	1.5% max of rated output voltage, 20MHz bandwidth
Hold-up / rise / turn-on	10ms / 50ms / <3s
Power factor	>0.95 @100VAC; >0.9 @240VAC

PROTECTION

Over-voltage 150% max; latch-off
Over-current 110-150%; auto recovery
Short circuit Continuous withstand; recovery
Isolation DC ground isolated from AC line/neutral

ENVIRONMENT

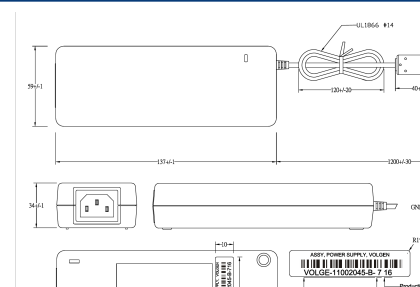
Operating temp. 0 to 40°C
Storage temp. -20 to 85°C
Operating humidity 10% to 90%
Storage humidity 5% to 90%
Altitude Up to 5,000m

SAFETY / EMC

Hi-pot 1800VAC, 5mA, 2 sec
Leakage current 100uA @240VAC/50Hz
EMS IEC 61000-4-2/-3/-4/-5
EMI EN 55011 Class B
Approvals UL/cUL, TÜV, CB, CE, FCC

MECHANICAL

Case size: 137 x 59 x 34 mm
Enclosure: 94V-0 minimum
Output cable: UL1866 #14 (reference)
Net weight: 450 g (reference)
Input: 3-wire AC: Line, Neutral, FG



- Ripple/noise measured at end of output cable with 20MHz bandwidth and specified capacitors.
- Specifications are based on KAGA FEI approval sheet dated 2024-06-04. Values are subject to change without notice.
- Connector designation is EM11011H(4-p); connector manufacturer/part number and pinout are not specified in the supplied engineering sheet.