

DATA SHEET

BATTERY CHARGER UNIT FOR TKT7xx CBU_s



FEATURES:

- FAN COOLING (TEMPERATURE-REGULATED; MONITORED)
- HOT PLUG-IN
- HIGH POWER DENSITY
- HIGH EFFICIENCY
- GLOBAL COMPLIANCE (CE, UL, NEBS)
- DIGITAL CONTROLLERS
- THE CHARGING SYSTEM IS EQUIPPED WITH A TEMPERATURE COMPENSATION OF THE BATTERY CHARGING VOLTAGE, WHICH IS APPROXIMATELY 0.06 V/°C (5mV/°C/cell).

TYPE:	STK32
ELECTRICAL CHARACTERISTICS:	
INPUT AC VOLTAGE	85 - 300 VAC
INPUT AC VOLTAGE (NOMINAL)	185 - 275 VAC
INPUT FREQUENCY RATE	0...66Hz
INPUT MAXIMUM CURRENT	11.9 A
INPUT PROTECTION	VARISTOR FOR TRANSIENT PROTECTION. FUSE IN BOTH LINES, SHUTDOWN ABOVE 300/305 V
INPUT POWER FACTOR	0.99 (@50-100% load)
EFFICIENCY	>95%
NOMINAL OUTPUT VOLTAGE	245.3VDC
MAXIMUM OUTPUT CURRENT	9.16 A (@220VDC)
ADJUSTABLE OUTPUT VOLTAGE RANGE	178.5-297VDC
BOOST RECHARGE START VOLTAGE	190 VDC
DYNAMIC ACCURACY OF THE CHARGING VOLTAGE	±5.0% FOR 10-90% OR 90-10% LOAD VARIATION, REGULATION TIME < 50ms
ALARMS (RED LED)	LOW MAINS SHUTDOWN, HIGH AND LOW TEMPERATURE SHUTDOWN, RECTIFIER FAILURE, OVER VOLTAGE SHUTDOWN ON OUTPUT, FAN FAILURE, LOW VOLTAGE ALARM, CAN BUS FAILURE
WARNINGS (YELLOW LED)	RECTIFIER IN POWER DERATE MODE, REMOTE BATTERY CURRENT LIMIT ACTIVATED, INPUT VOLTAGE OUT OF

	RANGE, FLASHING AT OVER VOLTAGE
NORMAL (GREEN LED)	INPUT AND OUTPUT OK
OUTPUT PROTECTION	OVER VOLTAGE SHUTDOWN, SHORT CIRCUIT PROOF, HIGH TEMPERATURE, HOT PLUG-IN INRUSH CURRENT LIMITING, ORing DIODE
MECHANICAL CHARACTERISTICS:	
DIMENSIONS (WxHxL):	109 x 41.5 x 327 mm
WEIGHT:	1.95 KG
CONNECTORS:	AC INPUT, DC OUTPUT AND SIGNALIZATION
ENVIRONMENTAL CONDITIONS:	
CLIMATIC CONDITIONS	5 - 95% RH NON-COND.
AMBIENT TEMPERATURE OPERATION	-40°C TO +55°C
AMBIENT TEMPERATURE STORAGE	-40°C TO +85°C
EMC:	
COMPLIANCE TO EMC STANDARDS	ETSI EN 300 386 V.1.3.22 EN 61000-6-1 / -2 / -3 / -4 / -5