

AC INPUT

Voltage	4 pos: 2 x AC feeds (230VAC 1 ph)	6 pos: 3 x AC feeds (230VAC 1 ph)
Frequency	45 to 66Hz	
Maximum Current	See Minipack datasheet	
Input Protection	o Surge protection	o Internal fuses (L & N)

MONITORING

Monitoring Unit	See Smartpack datasheet	
Local Operation	Menu driven software via keypads and LCD or PC (PowerSuite)	
Remote Operation	PowerSuite via modem or Monitoring via WebPower (WEB Interface, SNMP protocol and email)	
Alarm Relays	6 relays	
Visual Indications	o Green LED – System ON o Yellow LED – Minor alarm(s)	o Red LED – Major alarm(s) LCD – system status
Digital Inputs	o 6 (for monitoring of external equipment)	
Current Measurements	o Battery current o Rectifier current	
Alarms	o Load fuse alarm o Battery fuse alarm o LVD operated o Low output voltage alarms (2 individual alarm levels)	o High output voltage alarms (2 individual alarm levels) o Battery capacity o Temperature alarm o Symmetry alarm o and more

DC OUTPUT

Voltage	48VDC	
Power	4 pos: 3.2kW (66.7A at 48VDC)	6 pos: 4.8kW (100A at 48VDC)

DC DISTRIBUTION OPTIONS

No. of Load breakers	o 4 pos: Up to 10 mini MCB type (2-30A) o 6 pos: Up to 8 mini MCB type (2- 30A)	
No. of Battery fuses	4 pos: Up to 4 MCB type (60A)	6 pos: Up to 2 MCB type (100A)
Programmable LVD	o LVBD: 125A o Optional LVLVD: 80A o 4 pos: Connection options in blocks of 2 breakers (2-8, 4-6, 6-4 or 8-2) o 6 pos: Connection options in blocks of 2 breakers (2-6, 4-4 or 6-2)	

CONNECTIONS

Battery connections	Screw terminals (up to 35mm ² lug)
Load MCB connections	Terminal blocks (up to 4 mm ²)
Alarm connections	Terminal blocks (up to 1.5 mm ²)
System	Extractable from frame for easy access

OTHER SPECIFICATIONS

Isolation	o 3.0 KVAC – input and output o 1.5 KVAC – input earth	o 0.5 KVDC – output earth
Operating temp.	-40 to +75°C (-40 to +167°F)	
Storage temp.	-40 to +80°C (-40 to +176°F)	
Dimensions	19" mounting (446mm + brackets) 2U height and 250mm depth	Recommended cabinet depth is min 300mm
Weight (excl. rectifiers)	4 pos: Approx. 4.38kg (9.66lbs)	6 pos: Approx. 4.28kg (9.44lbs)

APPLICABLE STANDARDS

Electrical safety	IEC 60950-1	UL 60950-
EMC	o ETSI EN 300 386 V.1.3.2 (telecommunication network) o EN 61000-6-1 (immunity, light industry) o EN 61000-6-2 (immunity, industry) o EN 61000-6-3 (emission, light industry) o EN 61000-6-4 (emission, industry)	
Environment	ETSI EN 300 019-2 ETSI EN 300 132-2	

ORDERING INFORMATION

Part No.	Description
CTOM0402.xxx	Minipack 4 pos – Sales configured system (CTO)
CTOM0602.xxx	Minipack 6 pos – Sales configured system (CTO)