



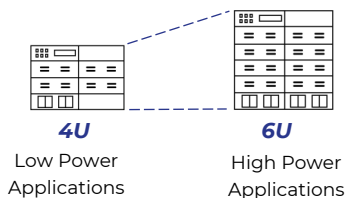
OVERVIEW

PACQ powershelves are modular, fault-tolerant, compact DC power systems made up of switched mode rectifier modules. The PACQ systems come in a wide selection of DC output voltages and in two scalable form-factors, 4U and 6U.

These compact systems have been proven in many critical & non-critical applications and industries, typically designed-in where reliability cannot be compromised. They can be mounted in open or enclosed 19" racks of 400mm depth or greater.

Scalability

Rectifier power modules can be fitted in a standard 4U or 6U chassis:



Wide DC Output

PACQ powershelves come in a wide selection of DC Output Voltages.



Low MTTR

Rectifier and controller modules are 'hot-pluggable' offering users a system with low mean time to repair (MTTR). The modules can be replaced on a live system without load interruption.

Automatic Battery Discharge Test

Monitor battery life with software-controlled battery discharge test (BDT). The BDT can be used to confirm the capacity of the battery by performing a periodic, controlled battery discharge test under normal system load without disconnection.

INDUSTRIES



SUBSTATIONS



DEFENCE



SCIENTIFIC
INSTRUMENTS



AVIATION

APPLICATIONS

Switch Tripping Chargers | Remote Power Supplies
Substation Battery Chargers | Photovoltaic Systems
Data Center Servers

SPECIFICATIONS

Input	Value
Input Voltage (Full Power)	185 - 275 VAC, 1Φ L-N 320 - 477 VAC, 3Φ L-L (neutral required)
Power Factor	>0.99
Harmonic Distortion	<5%
Output	Value
Voltage Range (VDC)	12, 24, 32, 48, 120, 240VDC
Power (kW)	Up to 19.2kW (refer to ordering guide for details)
Efficiency	Up to 92%*
* refer to rectifier modules data sheet for more details	
System	Value
Operating Temperature	-40°C to 70°C
Optional Features	<ul style="list-style-type: none"> - Battery Cell Monitoring - AC Mains Monitoring - Analog and Digital Expansion Board - Remote Communications
Standard Compliance	Designed to UL:60950, IEC61000, IEC60950, ETSI 300019 Standards

ORDERING GUIDE

AC Input Voltage

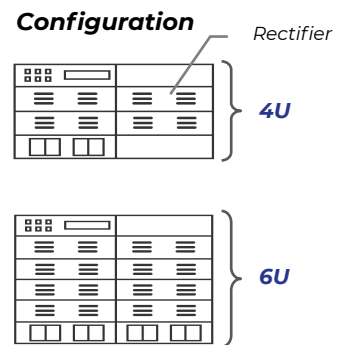
- 230VAC (Wye, L-N) 208VAC (Delta, L-L)
(Available in 3Φ, neutral required)

Select chassis and system output power:

* SMR—Switch Mode Rectifier

System Voltage	SMR Model	4U max no. of SMR - 4	6U max no. of SMR - 8
12VDC	RT9	<input type="checkbox"/> 3.6kW	<input type="checkbox"/> 7.2kW
24VDC	RT9	<input type="checkbox"/> 5.6kW	<input type="checkbox"/> 11.2kW
32VDC	RT9	<input type="checkbox"/> 4.8kW	<input type="checkbox"/> 9.6kW
48VDC	RT11	<input type="checkbox"/> 9.6kW	<input type="checkbox"/> 19.2kW
120VDC	RT12	<input type="checkbox"/> 9.6kW	<input type="checkbox"/> 19.2kW
240VDC	RT12	<input type="checkbox"/> 9.6kW	<input type="checkbox"/> 19.2kW

Chassis Configuration



Battery Current Transducer (2 units supplied externally)

- 50A 100A

Remote Connectivity

- SNMP MODBUS DNP3

Temperature Sensors

- Battery Temperature Sensor Ambient Temperature Sensor

Optional Features (You may select more than 1):

- Battery Cell Monitoring AC Mains Monitoring Analog and Digital Expansion Board