

## PVCompact Technical Specs

### BUILT IN HYBRID INVERTER

Nominal AC Power	3.68 kW
Rated grid voltage (range)	230 (176 to 270) volts
Max. DC power	4.6 kW
Max. DC Voltage	550 volts
Start input voltage	125 volts
Nominal DC operating voltage	360 volts
No. of MPP trackers / strings per MPPT	2 / 1
Max. short circuit current	17.5 / 17.5 amps
Optimizer compatibility	Yes - 3rd party compatible
Coupling options	AC or DC coupled options available - <b>must be specified</b>

### MODULAR BATTERY STORAGE

Nominal Capacity	4.8 kWh	7.2 kWh	9.6 kWh
Usable capacity (AC) <sup>1</sup>	4 kWh	6 kWh	8 kWh
Battery type and chemistry	Lithium Ion (LFP)		
Max. continuous power input (AC) <sup>1 2</sup>	2.5 kW	3.3 kW	
Max. continuous power output (AC) <sup>1 2</sup>	2.0 kW	2.9 kW	3.5 kW
Battery nominal voltage	48 volts		
Depth of discharge	100%		
Multiple units per phase	Yes - subject to survey		

### WARRANTY

Warranty – discharge cycles	4,500 cycles
Warranty – years	10
State of health at end of warranty	60%
Maintenance	No maintenance required subject to installation environment

### COMMUNICATIONS & CONNECTIVITY

User interface	Web based customer portal with mobile home screen icon
Internet connectivity	Yes; Ethernet built in, Wireless LAN <sup>4</sup> , Powerline <sup>3</sup>
Control	Charge and discharge schedule set via the portal

### CONTROL FEATURES

Smart tariff control	SMARTSTOR software available as standard
Schedule control	Charge / Discharge schedule set manually or by SMARTSTOR

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MECHANICAL			
Enclosure	Floor standing, or wall mounted on a load bearing structure		
Standard case (H x W x D cm) <sup>4</sup>	130 x 61 x 24	180 x 61 x 24	180 x 61 x 24
Weight (kg)	101	126	158
INSTALLATION			
Ambient temperature	0°C - 35°C, well ventilated		
Relative humidity	40% - 60% relative humidity		
Location constraints	In accordance with PAS 63100		
Wiring constraints	Current clamp: 25m		
Additional parts not included	RCBO, associated wiring, emergency power sockets if option not purchased		
ADD-ONS			
Emergency power socket	Access emergency power from the Powervault		
SAFETY			
Over-temperature protection	Yes		
Overload protection	Yes		
Over-/under-voltage protection	Yes		
ELECTRICITY NETWORK STANDARDS			
Conformity	UKCA, CE, ETSI EN 303 345		
Inverter compliance (UK)	G98		

Values accurate to +/- 5%.<sup>1</sup> Values provided for 25°C. Capacity at new. Capacity declines over life and with usage to state of health at end of warranty. Capacity and power output may vary dependant on local installation conditions.<sup>2</sup> Power output and input may also vary dependent on state of charge, temperature and grid voltage.<sup>3</sup> Requires external adapter.<sup>4</sup> The large P4 cases must be both floor and wall mounted. Medium cases may be wall mounted to a load bearing wall, or floor and wall mounted. If wall mounted, space is required underneath for wiring. All values are subject to Powervault's Warranty Terms and General Terms & Conditions of Sale being met. Errors and Omissions Excepted.

