

AC RATINGS		
Rated power	[kW]	3.0
Rated voltage (range)	[V]	230 (183 - 265)
Rated frequency (range)	[Hz]	50 (45 - 52)
Number of phases		1
Rated current / Maximum current	[A]	13.0
Maximum overcurrent protection	[A]	16.0
Power factor range		0.8 lead/lag to 1.0
DC ground fault monitoring		Yes
BATTERY RATINGS		
Manufacturer		Pylontech
Model		US5000C
Chemistry		Lithium Iron Phosphate
Rated capacity	[kWh]	4.8
Usable capacity	[kWh]	4.56
Rated voltage (range)	[Vdc]	48 (42.0 to 58.5)
Maximum charge & discharge current	[Adc]	63.0
Depth of discharge	[%]	95
BACKUP POWER OUTLET		
Rated output power	[VA]	2000
Rated voltage	[V]	230
Maximum rated current	[A]	9.0
Switchover time to backup power	[s]	4.0
GENERAL RATINGS		
Mounting method		Floor, wall-secured
Dimensions (W x H x D)	[mm]	539 x 1236 x 231
Weight with battery (without battery)	[kg]	96.0 (52.0)
Ambient operating temperature range	[°C]	-10 to +45
Recommended temperature range	[°C]	15 to 30
Relative air humidity	[%]	95
Efficiency, peak (average)	[%]	96.0 (94.5)
Protection degree		IP21
Overvoltage category, type		III
Galvanic Isolation		Transformer
Cooling		active (fan, thermostat controlled)
Energy consumption, standby (operating)	[W]	6 (30)
Display		LED: Battery status, PCS status, service status
EMS communication		Ethernet, LAN
Home energy meter, type	incl.	3Ø / 1Ø direct connect (optional CT)
CERTIFICATIONS & WARRANTY		
EMC		IEC 61000-6-2, IEC 61000-6-3
Safety		IEC 62109-1/-2, IEC 62477-1, IEC 62040, G59/3-2
Utility interface		AS/NSZ 4777.2: 2015, VDE DIN AR-4105: 2011-08
Warranty / battery performance guarantee		10 year / 60% capacity, pro-rated