SINGLE SOLAR POWER KIT (20W)

Papercast solar panel modules have been designed for sustained high performance and to complement the contemporary design of our e-paper displays. The single solar power kit is capable of powering up to four 13.3" displays or one 32" display in good light conditions.

SOLAR PANEL

Peak power (Pmax) [W]	20
Power Tolerance [W]	0/+5
P max voltage (Vmp) [V]	17.4v
P max current (Imp) [A]	1.15A
Open circuit voltage (Voc) [V]	22.4v
Short circuit current (ISC) [A]	1.23A
Cell efficiency [%]	16.6%
Operating temperature	-45 °C ~ +80 °C
Type of cell	36 (2x18) Polycrystalline cells

OVERALL MECHANICAL

Dimensions (L x W x H)	500 x 363 x 103.5 mm
Weight	(Need to confirm this) 7kg
Colour	RAL 7046
IP rating	IP65
Construction	RIM flame retardant rigid Polyurethane foam
Flame Retardancy	UL94/VO

BATTERY MODULE

Nominal Voltage	12.8V
Nominal Capacity	20Ah
Approx. weight	4.5kg
Dimension (L x W x H)	190 x 100 x 90 mm
Internal Resistance	≤20m Ω (fully charged)
System Max. Discharge Current	10A or 5A
Max. Charge Current	20A
Operating temperature range	Charge: 0°C + 60°C Discharge: -20°C +60°C