Spec sheet		PowerBrick70-150 Power: 70W Battery: 150Wh	PowerBrick100-300 Power: 100W Battery: 300Wh	PowerBrick200-600 Power: 200W Battery: 600Wh
Internal battery	Type	LiFePO4		
	Lifespan	Minimum of 2000 cycles before any noticeable dropoff in performance (8 years with daily use)		
	Norminal voltage	12.8V		
	Capacity	12Ah	24Ah	48Ah
	Energy storage	153Wh	307Wh	614Wh
	Usable energy storage Depth of Discharge (DOD)	80%		
	Usable energy storage Wh	122Wh	246Wh	491Wh
	Protection	Overcharge and overdischarge prevention		
	Isolation	Galvanic isolation between system and battery		
	Patented embedded Battery Management System (BMS)	1. Hybrid State of Charge (SOC) battery management: a) Compensated terminal voltage b) Coloumb counting 2. Multi stage charge algorithm with 0V battery recovery capability 3. Intelligent energy sharing capability		
	Replacable LiFePO4 battery cells	Yes		
	Safety (under normal operating conditions)	No thermal run-away, no fire or explosion risks, no shock hazard		
	Charge temeperature	5 °C to 40 °C		
	Discharge temeperature	0 °C to 40 °C		
	Supports four re-charge options	Solar panel, 230V AC-DC adapter, InverterBrick, ChargeBrick		
	Charge management system	Mutiple connection capable MPPT, priority charge: Solar, auto switch over on low solar irradiance		
	Charging time (AC-DC adapter)	3hrs	4hrs	7.5hrs
	Charging time (solar panel)	3.5hrs (50W solar panel)	4.5hrs (80W solar panel)	4hrs (150W solar panel)
	Charging time (InverterBrick)	2hrs	4hrs	7.5hrs
	Fast charging time (solar panel and InverterBrick or ChargerBrick)		3.0hrs	3.0hrs
System input	Solar panel max voltage	25V		
	Solar panel max current	10A		
	Solar panel max power	160W		
	AC-DC adapter max voltage	18V		
	AC-DC adapter max current	3.3A	5A	
	AC-DC adapter nominal power	60W	90W	
System output (single PowerBrick)	Continuous power ouput	70W	100W	200W
	Operating voltage	12V		
	Continous current draw	5.8A	8.3A	16.6A
	Surge power (20ms) with SuperCap	195W	225W	325W
	Surge current	16.3A	18.8A	27.1A
	Operating temperature	0˚C (min), 25˚C (typical), 40˚C (max)		
	DC output max current	50A		
	Unique features	Short circuit protection, overload protection, auto restart on fault removal, bidirectional currrent flow ports, fast charge capable, expandable, and auto synchronisation		
Maximum system output (multiple PowerBricks connected together)	Expandability	Integrate individual PowerBricks to achieve 1.8kWh of battery storage		
	Rated aggrigated continous output power	600W		
	Rated operating voltage	12V		
	Rated continous current draw	50A		
	Surge power (20ms) with SuperCap	975W		
	Unique features	12V safe plug-and-play integration and charging sharing.		
System indicators	Multi-mode LED indicator	Green: 75% - 100% SOC Light blue: 50% - 75% SOC Blue: 25% - 50% SOC Purple: 0% - 25% SOC Red: 0% SOC Orange: Fault Flashing: Charging White light: Eco/Energy saving mode		
	System fault	System auto-shuts down on fault for 30s. Perioridic reboots.		
General	System cooling	Passive	Temperature controlled fan	
	Dimensions (L×W×H)	217x 154x130mm	217x154x140mm	217x174x205 mm
	Net weight	2.6Kg or 3.6kg	3.7Kg	6.3Kg
	Case material	Mild steel powder coated enclosure		
	Protection class	IP21		
	Connectors	Automotive grade 12V connectors, non reversible and latched		
Package contents	PowerBrick unit	Included		
	AC-DC adaptor	Included		
	3rd Party 12V-220V Inverter	Included		
	Instruction manual	Included		
	Lighting Kit	Optional add-on		
	Solar Panel	Optional add-on		
	PowerBrick units for Expansion	Optional add-on		
	Product warranty	12 months (extendable by 12 months for registered product)		
Runtime guide (hrs)	PowerBrick usable energy storage	122Wh	246Wh	491Wh
	Mobile phone (5W)	22	44	88
	Wi-Fi router (12W)	9	18	37
	Light bulbs (3x5W = 15W)	7	15	29
	Alarm system (20W)	6	11	22
	LED Television (40W)	3	6	11
	Typical loadshedding essentials (70W)	2	3	6
	Small portable fridge (100W)	-	2	4
	200W load	-	-	2

Terms and conditions apply