



SPECIALIZED SOLAR SYSTEMS®
 The National Alternative Energy Supply Company
 www.specializedsolarsystems.co.za

Feature	1 Phase 15 kVA	1 Phase 20 kVA	1 Phase 30 kVA	3 Phase 15 kVA	3 Phase 24 kVA	3 Phase 30 kVA	3 Phase 45 kVA
Battery capacity options	16.4 32.8 49.2	32.8 49.2	32.8 49.2	16.4 32.8 49.2 65.6	32.8 49.2 65.6	32.8 49.2 65.6	49.2 65.6
Dimensions (LxWxH)	1600x900x1550mm			2200x900x1550mm			
Inverter	Victron Quattro 15 kVA	2x Victron Quattro 10 kVA	2x Victron Quattro 15kVA	3x Victron Multiplus II 5kVA	3x Victron Quattro 8kVA	3x Victron Quattro 10 kVA	3x Victron Quattro 15 kVA
Continuous Power (25°C)	15000 VA / 12000 W	20000 VA / 16000 W	30000 VA / 24000 W	15000 VA / 12000 W	24000 VA / 22400 W	30000 VA / 24000 W	45000 VA / 36000 W
Peak Power	25000 W	40000 W	50000 W	9000 W per phase	16000 W per phase	20000 W per phase	25000 W per phase
Max Efficiency	96%	96%	96%	96%	96%	96%	96%
Zero Load Power	110 W	120 W	220 W	54 W	180 W	180 W	330 W
Max Feed Through Current	2 x 100 A	200 A	200 A	50 A per phase	2 x 100A per phase	2 x 100A per phase	2 x 100A per phase
AC Inputs	187-256 VAC / 45-65 Hz						
DC Input Voltage	48 V (38-66 V)						
Charge Volt (Abs/Float/Store)	56.2/56.2/52.8 VDC	56.2/56.2/52.8 VDC	56.2/56.2/52.8 VDC	56.2/56.2/52.8 VDC	56.2/56.2/52.8 VDC	56.2/56.0/52.8 VDC	56.2/56.0/52.8 VDC
Charge Current (Max)	200 A	280 A	400 A	70 A per phase	110 A per phase	140 A per phase	200 A per phase
Battery Type	Grade A LiFePO4 Prismatic cells						
Nominal Voltage	51.2 VDC	51.2 VDC	51.2 VDC	51.2 VDC	51.2 VDC	51.2 VDC	51.2 VDC
Nominal Capacity (Ah)	295 590 885	590 885	590 885	295 590 885 1180	590 885 1180	590 885 1180	885 1180
Total Energy Capacity (kWh)	16.4 32.8 49.2	32.8 49.2	32.8 49.2	16.4 32.8 49.2 65.6	32.8 49.2 65.6	32.8 49.2 65.6	49.2 65.6
Energy @ 80% DoD	13.1 26.2 39.3	26.2 39.3	26.2 39.3	13.1 26.2 39.3 52.5	26.2 39.3 52.5	26.2 39.3 52.5	39.3 52.5
Max Constant Current (A)	300 600 900	600 900	600 900	300 600 900 1060	600 900 1060	600 900 1060	900 1060
Warranty Cycle Life	4000 Cycles @ 80% DoD						
Operating Temp	-40 to +65°C						
Climate Control Model	SDC 115 - 1						
Cooling Capacity	1500W	1500W	1500W	1500W	1500W	1500W	1500W
Heating Capacity	500W	500W	500W	500W	500W	500W	500W
Climate Control Temp	-40 – 50°C	-40 – 50°C	-40 – 50°C	-40 – 50°C	-40 – 50°C	-40 – 50°C	-40 – 50°C
Climate Control IP	IP55	IP55	IP55	IP55	IP55	IP55	IP55
Inverter Warranty	10 year	10 year	10 year	10 year	10 year	10 year	10 year
Battery Warranty	10 yr or 4000 cycles	10 yr or 4000 cycles	10 yr or 4000 cycles	10 yr or 4000 cycles	10 yr or 4000 cycles	10 yr or 4000 cycles	10 yr or 4000 cycles
Climate Ctrl Warranty	3 year	3 year	3 year	3 year	3 year	3 year	3 year
Auxiliary Output	50 A	100 A	100 A	32 A	50 A per phase	50 A per phase	50 A
Enclosure	Ground mountable metal						