

TECHNICAL DATA

TAURUS RES BASIC



	Taurus RES Basic 2 KW (single phase)	Taurus RES Basic 3 KW (single phase)
MODEL		
Rated power	2400 W	3200 W
Maximum charging power	1500 W	3000 W
PV INPUT (DC)		
Maximum DC input power	1500 W	3000 W
Nominal DC voltage	30 - 115 VDC	30 - 115 VDC
Maximum DC voltage	145 VDC	145 VDC
Start-up voltage / initial feeding voltage	30 - 115 VDC	30 - 115 VDC
MPP voltage range	30 - 115 VDC	30 - 115 VDC
Number of MPP trackers	1	1
Maximum input current	15 A	25 A
Isc PV (absolute maximum)	25 A	25 A
PV circuit protection	2 pole 200 volt 15 Amp	2 Pole 200 volt 25 Amp
PV circuit surge protection (optional)	PRD40r 200DC	PRD40r 200DC
Max. inverter backfeed current to the array	0 Amp	0 Amp
GRID AND LOAD OUTPUT (AC)		
Nominal output voltage	208/220/230/240 VAC	208/220/230/240 VAC
Output voltage range	184 - 265 VAC	184 - 265 VAC
Output frequency range	47.5 ~ 51.5 Hz or 59.3 ~ 60.5 Hz	47.5 ~ 51.5 Hz or 59.3 ~ 60.5 Hz
Nominal output current	21 A*	21 A*
Inrush current	60 A	60 A
Maximum output fault current	40 A	40 A
Maximum output overcurrent protection	50 A	50 A
Power factor range	0.9 lead - 0.9 lag	0.9 lead - 0.9 lag
Load circuit protection	2 pole 240 volt 32 Amp (circuit breaker)	2 pole 240 volt 32 Amp (circuit breaker)
AC INPUT		
AC start-up voltage	120-140 VAC	120-140 VAC per phase
Auto restart voltage	180 VAC	180 VAC per phase
Acceptable input voltage range	170 - 280 VAC	171 - 280 VAC per phase
Nominal frequency	50 Hz / 60 Hz	50 Hz / 60 Hz
AC input power	3000 VA	4000 VA
Maximum AC input current	40 A	40 A
Inrush input current	40 A / 1ms	40 A / 1ms
Grid circuit protection	2 pole 240 volt 50 Amp (isolator)	2 pole 240 volt 50 Amp (isolator)
BATTERY MODE OUTPUT (AC)		
Nominal output voltage	208/220/230/240 VAC	208/220/230/240 VAC
Output frequency	50 Hz / 60 Hz (auto sensing)	50 Hz / 60 Hz (auto sensing)
Output waveform	Pure sine wave	Pure sine wave
Output power	3000VA / 2400W	4000VA / 3200W
Output current	20 A	25 A
Efficiency (DC to AC)	92%	92%
BATTERY & CHARGER		
Nominal DC voltage	20 to 31 VDC	40 to 62 VDC
Maximum battery discharging current	200 A	200 A
Maximum charging current	120 A	120 A
BATTERY CAPACITY		
Battery capacity in Ah (100% DOD)	24V 100 Ah (Lead Crystal®)	48V 55 Ah (Lead Crystal®)
Battery capacity in kWh (100% DOD)	2.4 kWh	2.7 kWh
Battery DC circuit protection	2 pole 60 volt 200 Amp (isolator)	2 pole 60 volt 200 Amp (isolator)
GENERAL CHARACTERISTICS		
Dimension H x W x D (mm)	850 x 600 x 350 mm	850 x 600 x 350 mm
Net weight (kg)	120 kg	120 kg
Chasis construction material	Laser cut galvanized steel	Laser cut galvanized steel
Enclosure construction material	UL94 V0 thermo molded ABS	UL94 V0 thermo molded ABS
INTERFACE		
Communication port	RS-232/USB (wifi optional)	RS-232/USB (wifi optional)
Intelligent slot	Not available	Not available
ENVIRONMENT		
Protective class	I	I
Ingress protection rating	IP55	IP55
Cooling	Internal electrical fan	Internal electrical fan
Humidity	0 ~ 90% RH (non condensing)	0 ~ 90% RH (non condensing)
Operating temperature	0 to 55°C	0 to 55°C
Altitude	1 ~ 2000 m**	1 ~ 2000 m**