



MOEBIUS
Intelligent PV Inverters

TARSUS QUAD



DATASHEET

TARSUS-QUAD-50 KVA-4 | TARSUS-QUAD-60 KVA-4

Designed and manufactured by



DARWIN
RENEWABLE ENERGY INNOVATOR





<i>Efficiency</i>	TARSUS-QUAD-50 KVA-4	TARSUS-QUAD-60 KVA-4
Max. Efficiency	99,0%	99,0%
EU. Efficiency	98,5%	98,5%
<i>Input (PV)</i>		
Max. Input Voltage	1100 V	1100 V
Max. PV configuration (STC)	160,00%	160,00%
Max. PV Power (W)	80000	96000
Rated Input Voltage	620 V	620 V
Max. Input Current	130A (39A/39A/26A/26A)	156A (39A/39A/39A/39A)
Max. Short Circuit Current	150A (45A/45A/30A/30A)	180A (45A/45A/45A/45A)
Start Input Voltage	250V	250V
MPPT Operating Voltage Range	200V - 1000V	200V - 1000V
Max. Number of PV Strings	10(3/3/2/2)	12(3/3/3/3)
No. of MPPTs	4	4
<i>Output (Grid)</i>		
Rated AC Active Power	50000 W	60000 W
Max. AC Apparent Power	55000 VA	66000 VA
Max. AC Active Power (PF=1)	55000 W	66000 W
Max. AC Output Current	3*76A	3*92A
Rated AC Voltage	380V / 400V / 415V, 3W + N + PE	380V / 400V / 415V, 3W + N + PE
AC Voltage Range (1)	277V-520V (Adjustable)	277V-520V (Adjustable)
Rated Grid Frequency	50 Hz / 60 Hz	50 Hz / 60 Hz
Grid Frequency Range (2)	45Hz-55Hz / 55 Hz-65 Hz (Adjustable)	45Hz-55Hz / 55 Hz-65 Hz (Adjustable)
THDI	<3%@Rated Power	<3%@Rated Power
DC Current Injection	<0,5%@In	<0,5%@In
Power Factor	>0,99 Rated Power (Adjustable 0,8 LD-0,8 LG)	>0,99 Rated Power (Adjustable 0,8 LD-0,8 LG)

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<i>General</i>		<i>Packaging & logistics</i>	
Topology	Transformerless	Carton packaging dimension (W x H x D)	975 x 645 x 432 mm
IP Rating	IP65	G.W. (Gross Weight)	80
Night Self Consumption	< 1 W	Qty per pallet (pcs)	4+4
Cooling	Fan Cooling	Pallet Dimension (W x H x D)	1300 x 1000 x 1986 mm
Operating Temperature Range	-25°C - 60°C	Pallet m ³ (CBM)	2,6 m ³
Relative Humidity Range	0 - 100 %	20 ft cont. Pallet Qty (Plt) / product Qty (pcs)	18 pallets / 72 pallets
Max. Operating Altitude	4000 m	40 ft cont. Pallet Qty (Plt) / product Qty (pcs)	40 pallets / 160 pallets
Noise (typical)	<62dB		
Dimensions (W x H x D)	855 x 555 x 275 mm		
N.W. (Netto Weight)	73 kg		



Protection

DC switch	Support
Anti-islanding protection	Support
AC Overcurrent protection	Support
AC short current protection	Support
DC reverse connection	Support
Surge Arrester	DC Type II / AC Type II
Insulation detection	Support
Leakage current protection	Support

HMI & COM

Display	Wireless & APP + LED, LCD (Optional)
Communication	RS485, Optional WiFi / GPRS / 4G / LAN

Warranty

5 years, 10 years when installed by Darwin registered installer

Certification

Safety	IEC62109-1, IEC62109-2
Grid Code	VDE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206006/206007-1, UNE 217001 IEC 61727/62116

