



TOR-11.4 KW

INVERSOR HÍBRIDO FASE DIVIDIDA

MAXIMIZA LA POTENCIA DE ENTRADA

- SE PERMITE UN SOBREDIMENSIONAMIENTO DE HASTA EL 200 % CON 3 MPPT
- ADMITE MÓDULO DE ALTA POTENCIA CON CORRIENTE DE ENTRADA FOTOVOLTAICA
- ADMITE ENTRADA SOLAR ACOPLADA A CA
- INTERRUPTOR DE CIRCUITO DE FALLA DE ARCO INTEGRADO (AFCI) Y APAGADO REMOTO

APLICACIONES VERSÁTILES

- APILABLE HASTA 9 UNIDADES
- CONEXIÓN DE GENERADOR DE RESERVA PARA RESPALDO DE TODA LA CASA
- CUATRO MODOS DE APLICACIÓN
- CONFIGURACIÓN Y ACTUALIZACIÓN REMOTA

CONFIGURACIÓN DE BATERÍA FLEXIBLE

- DISYUNTOR DE CC INCORPORADO PARA MAYOR SEGURIDAD Y CONFIABILIDAD
- ADMITE BATERÍAS DE LITIO O PLOMO-ÁCIDO DE 40-64 V
- CORRIENTE MÁXIMA DE CARGA/DESCARGA DE BATERÍA DE 210 A

POTENCIA DE SALIDA ESTABLE

- 110% CONTINUO DE POTENCIA NOMINAL DE AC
- ADMITE CONEXIONES DE 120/240/208 V
- TRANSICIÓN DE COPIA DE SEGURIDAD SIN PROBLEMAS (<10 MS)

MODEL	TOR 5 KHB		TOR 6 KHB		TOR 7.6 KHB		TOR 10 KHB		TOR 11.4 KHB	
EFFICIENCY										
MAX. EFFICIENCY (PV TO AC)					98.0%					
MAX. EFFICIENCY (BAT TO AC)					94.5%					
CEC. EFFICIENCY					96.5%					
INPUT (PV)										
MAX. PV INPUT POWER	7,500W		9,000W		12,000W		15,000W		15,000W	
MAX. PV VOLTAGE					600V					
START-UP VOLTAGE					90V					
MPPT OPERATING VOLTAGE RANGE					70V-540V					
MAX. INPUT CURRENT PER MPPT	30A/22A						30A/22A/22A			
MAX SHORT CURRENT PER MPPT	40A/30A						40A/30A/30A			
STRING PER MPPT	4 (2/2)						6 (2/2/2)			
NOS. OF MPPT	2						3			
INPUT/OUTPUT (BAT)										
BATTERY TYPE	LITHIUM-ION/LEAD-ACID									
NOMINAL BATTERY VOLTAGE	48V									
BATTERY VOLTAGE RANGE	40V-64V									
MAX. CHARGE/DISCHARGE CURRENT	210A/130A		210A/130A		210A/180A		210A/210A		210A/210A	
MAX. CHARGE/DISCHARGE POWER	10,000W/5,000W		10,000W/6,000W		10,000W/7,600W		10,000W/10,000W		10,000W/10,000W	
OUTPUT (GRID)										
NOMINAL AC OUTPUT POWER	5,000W		6,000W		7,600W		10,000W		10,000W	
MAX. AC OUTPUT APPARENT POWER	5,500VA		6,600VA		7,600VA		11,000VA		11,400VA	
MAX. AC OUTPUT POWER (PF=1)	5,500W		6,600W		7,600W		11,000W		11,400W	
NOMINAL AC OUTPUT CURRENT	20.9A		25A		31.7A		41.7A		41.7A	
MAX. AC OUTPUT CURRENT	22.9A		27.5A		34.8A		45.8A		47.5A	
NOMINAL GRID VOLTAGE	120V/240V (SPLIT PHASE) / 208V (2/3 PHASE)									
NOMINAL GRID FREQUENCY	50HZ /60HZ									
GRID FREQUENCY RANGE	45HZ-55HZ/55HZ-65HZ (ADJUSTABLE)									
POWER FACTOR	> 0.99 @RATED POWER (ADJUSTABLE 0.8 LD - 0.8 LG)									
THDI	<3% (RATED POWER)									
OUTPUT (BACK UP)										
NOMINAL OUTPUT POWER	5,000W		6,000W		7,600W		10,000W		10,000W	
MAX. AC OUTPUT POWER (PF=1)	5,500W		6,600W		7,600W		11,000W		11,400W	
NOMINAL OUTPUT CURRENT	20.9A		25A		31.7A		41.7A		41.7A	
PEAK POWER (IS)	10,000VA		12,000VA		15,200VA		20,000VA		20,000VA	
NOMINAL OUTPUT VOLTAGE	120V/240V (SPLIT PHASE) / 208V (2/3 PHASE)									
NOMINAL OUTPUT FREQUENCY	50HZ/60HZ									
TRANSFER TIME	<10MS (TYPICAL)									
THDV	<3% @100% R LOAD									
PROTECTION										
PROTECTION CATEGORY	CLASS I									
DC SWITCH	YES									
ANTI-ISLANDING PROTECTION	YES									
AC OVERCURRENT PROTECTION	YES									
DC/AC OVERVOLTAGE PROTECTION	DC TYPE II, AC TYPE III									
AC SHORT CIRCUIT PROTECTION	YES									
DC REVERSE PROTECTION	YES									
SURGE ARRESTER	DC TYPE II, AC TYPE II									
INSULATION RESISTANCE DETECTION	YES									
LEAKAGE CURRENT PROTECTION	YES									
AFCI	YES									
RSD	YES									
GENERATOR	YES									
GENERAL										
MAX. OPERATION ALTITUDE	2000M									
INGRESS PROTECTION DEGREE	IP65/NEMA 3R									
OPERATING TEMPERATURE RANGE	-25℃ ~60℃ (>45℃ DERATING)									
RELATIVE HUMIDITY	0~100%									
COOLING METHOD	FAN COOLING									
MOUNTING	WALL BRACKET									
DIMENSIONS (W*H*D)	16.5*31.5*9.4 INCH (420MM*800MM*240MM)									
WEIGHT	40KG/88LB									
PV CONNECTION WAY	TERMINALS									
HMI & COM										
DISPLAY	WIRELESS & APP + LED, LCD (OPTIONAL)									
COMMUNICATION INTERFACE	RS485/CAN (FOR BMS), DRM/RS485 (FOR METER), RS485, OPTIONAL: WI-FI/LAN									
CERTIFICATION										
SAFETY	UL 1741/CSA C22.2/UL 1699B									
GRID	UL1741SB, IEEE1547: 2018, HECO SRD 2.0									
EMC	FCC PART 15 CLASS B									
WARRANTY	5 YEARS									

REMARKS: · THE RANGE OF OUTPUT VOLTAGE AND FREQUENCY MAY VARY DEPENDING ON DIFFERENT GRID CODES.
 · SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT ADVANCED NOTICE.