## **Technical Data sheet**

### Industrial Inverter / Transformer Based Design

#### MODEL : TECNED OM(B-19)

Nominal DC input voltage Capacity

: 24V / 48V / 110 (125V) / 220V : 1kVA / 1,5kVA / 2kVA / 3kVA / 4kVA / 5kVA / 6kVA / 7,5kVA

Fault Tolerant Topology



### Available with built-in static bypass and Active Transition Mode \*

(\* synchronized switch between 2 modules / no bypass required)

### Transformer Based Topology

Nominal input voltage Output rating (kVA/kW)	24 - 48 - 110 (125) - 220Vdc 1/0.8 2/1.4 3/2.4 4/3.2 4-May 6/4.8 7.5/6				
ıt					
Input voltage range Input protection Bypass input Bypass voltage tolerance Bypass frequency tolerance	-15% to + 35% Fusing 110/120/200/220/230/240/277V, (2W+E) +/- 10% seleclable +/- 10% selectable				
ass system					
single leg static switch transfer alternative module double leg static switch preferred source select * Requires RJ45 plug connectio	n between mod	build-in with automatic output sensing active transition (dip-switch setting on-board *) build-in with separate bypass input active synchronized transition (dip-switch setting on-board *) ules			
put					
nominal output voltage output frequency output frequency tolerance output waveform output voltage TH-V output voltage TH-V output voltage stability output voltage stability	[V] [F] [%] [%] [%] [%]	1Phase 110/120/200/220/230/240/277V, (2W+E) 50 / 60 Hz +/- 0.1% free running SineWave Max 1,5%@ 100% liniar load Max 3% @ non-linear load Static +/- 1% Dynamic +/- 3%, 100% load step			
recovery time overall efficiency crest Factor	[ms] < 20 msec [%] Up to 95% (depending on DC bus voltage) > 3:1 Yes (Inverter Output Transformer)				
galvanic isolation					

AC Short circuit & overload	Fusing
DC Surge protection	(option)
Automatic output source selection	Active transition (option)
DC Voltage protection	Over, Under voltage
Inverter output short circuit	Output current limit
Temperature	Transformer & heatsink high temperature alarm

### Transformer Based Topology

LED lamp status	•				
LED max. 8 x LED	Inverter operation General alarm Load on inverter DC High DC Low Fan Failure		Control LED	Push button-on Push button-off Push button silent t Push button LED te Bypass active (opti Active / Stand-by (o	ouzzer ost on) option)
LCD					
Measurements		Settings / Ac	ctivation	Alarm Messages	
Input voltage Input current Output & Bypass voltage Output & Bypass current Output & Bypass Frequency		Inverter prefered bypass prefered Load to inverter Load to bypass Master / Slave		DC. High DC.Low Inverter Fail Fan Failure Load on bypass Temperature & failure notice	
Potential free co	ontact (Max. 250Va	c or 30Vdc / 2/	4)		
<b>4 PFC (stan</b> (programmable General Alar Bypass input	<b>dard)</b> ∌) m (ECU fail) t_failure	Low battery v High battery v Battery fuse t	voltage voltage trip	DC ground fault Fan failure alarm Load on Bypass	
General data					
Equipment la Storage tem Operating te Humidity Ma Installation a Derating 7% Audible Nois Cooling: forc Enclosure: f Dimension	ayout designed with f perature -25 to + 70 mperature -10° to + 4 x 95% ltitude up to 1000 met o per 1000 meter to 4 e 55dBA - 65dBA ed air ( fan cooling) Floor standing cabine 1 - 5 kVA 6 kVA 7,5 kVA	ault tolerant po °C 40° Celsius eter at full rate 000m et IP20 / Aluzin 5U high 6U high 7U high	ower and contr nc frame / pow	ol circuits der coat RAL 7035	
Shipping we	Shipping weight (kg) 30 42 55 60 75 95				
Transform	ner Based 1	opology	/		

Standard	
ISO9001 IEC- 60146	Quality management systems commutated converters
EMC 55011	Industrial, scientific, and medical (ISM) radio-frequency equipment—Radio disturbance characteristics—Limits and methods of measurement; Amendment A1:1999 to EN 55011:1998.
IEC- 62040-1	Uninterruptible power systems (UPS) Part 1: General and safety requirements for UPS
IEC 61000-3-2	Electromagnetic compatibility (EMC) - Part 3-2: Limits - Limits for harmonic current emissions (equipment input current ≤16 A per
IEC 61000-3-12	Electromagnetic compatibility (EMC) - Part 3-12: Limits - Limits for harmonic currents produced by equipment connected to public low- voltage systems with
IEC/61000-6-5	Low voltage AC Surge 1.2/50 $\mu$ s, 2 kV line to ground,1 kV line to line (equipment installed in power stations and MV substations. Low voltage DC Surge 1.2/50 $\mu$ s, 2 kV line to ground, 1 kV line to line

#### **Contact Details**



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TN-grb-481801181