## **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

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				
t					
Input voltage range-15% to + 35%Input protectionFusingBypass input110/120/200/220/230/240/277V, (2W+E)Bypass voltage tolerance+/- 10% selectableBypass frequency tolerance+/- 10% selectable					
ass system					
single leg static switch transfer alternative module double leg static switch preferred source select * Requires RJ45 plug connecti	on 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			
out					
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			

AC Short circuit & overload	Fusing
DC Surge protection	(option)
Automatic output source selection	n 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 max. 8 x LED D Measuremer Input voltage	Inverter operation General alarm Load on inverter DC High DC Low Fan Failure		Control LED	Push button-on Push button-off Push button silent Push button LED t Bypass active (opt Active / Stand-by (	est ion)
max. 8 x LED	General alarm Load on inverter DC High DC Low Fan Failure		-	Push button-off Push button silent Push button LED t Bypass active (opt	est ion)
D Measuremer	Load on inverter DC High DC Low Fan Failure		LED	Push button silent Push button LED t Bypass active (opt	est ion)
Measuremer	DC High DC Low Fan Failure		LED	Push button LED to Bypass active (opt	est ion)
Measuremer	DC Low Fan Failure		LED		,
Measuremer	Fan Failure			Active / Stand-by (	option)
Measuremer					
Measuremer					
Input voltage	nts		Settings /	Activation	Alarm Messages
input voltage			Inverter prefered		DC. High
Input current	1 0		bypass prefered		DC.Low
Output & Byp	ass voltage		Load to inverter		Inverter Fail
Output & Byp			Load to bypass		Fan Failure
Output & Byp	ass Frequency		Master / Sl	ave	Load on bypass
					Temperature & failure notice
tential free co	ntact (Max. 250Va	c or 30Vdc / 2/	A)		
4 PFC (stand	lard)				
(programmable	•	Low battery v	voltage	DC ground fault	
General Alarr		,		Fan failure alarm	
Bypass input		Battery fuse	-	Load on Bypass	
neral data					
Equipment la	yout designed with	fault tolerant po	ower and con	ntrol circuits	
Storage temp	berature $-25$ to $+70$				
	nperature -10° to +				
Humidity Max					
•	titude up to 1000 m	eter at full rate			
	per 1000 meter to 4				
	e 55dBA - 65dBA				
Cooling: force	ed air ( fan cooling)				
		et IP20 / Aluzir	nc frame / po	wder coat RAL 7035	
Dimension					
	1 - 5 kVA	5U high			
	6 kVA	6U high			
	7,5 kVA	7U high			
Shipping wei	ght (kg)	30 42	55 60	0 75 95	
	ner Based 1				

andard	
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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