



EVERY RAY COUNT



**VELOX ENERGY PVT. LTD.**

Smart Solar Solutions for  
Homes, Businesses & Industries

[www.veloxenergy.in](http://www.veloxenergy.in)

## On-grid Inverter

**VET-5.5 / 6.0 / 8.0 / 10.0 / 12.0 / 15.0 KW**

### VET Series Three-Phase & Dual-MPPT



## FEATURES



### Flexible Design

- Multi-communication interface: RS485, GPRS (optional), Wifi (optional)
- DC breaker, easy to maintain and safe to use
- Digital DSP control technology



### Grid Friendly

- Adjustable reactive power
- Power factor from 0.8 leading to 0.8 lagging
- Active and passive anti-islanding protection
- Zero Export Function



### Efficient Conversion

- Transformerless, max. efficiency is up to 98.7%
- MPPT efficiency is up to 99%
- Ad po lea Act ant total current THD <2%
- Three-level SVPWM control technology
- Increase DC voltage utilization



### Excellent Qualities

- CQC Gold Sun Certification
- TUV Certification
- SAA Certification
- CE Certification

Premier  
Destination For  
High-end  
Solar Inverter



# Technical Specifications

TECHNICAL DATA	VET-5.5 KW	VET-6.0 KW	VET-8.0 KW	VET-10.0 KW	VET-12.0 KW	VET-15.0 KW
Max. DC input voltage (VDC)	1100V					
MPPT voltage range (VDC)	180~1000V					
Max. DC current (A)	20/20A					
Recommended working voltage (VDC)	650V					
MPPT number	2					
Max. input strings per MPP tracker	1/1					
<b>AC OUTPUT DATA</b>						
Rated output power (W)	5500W	6000W	8000W	10000W	12000W	15000W
Rated output current (A)	8A	10A	13A	16A	19A	23.6A
Rated power grid voltage (Vac)	400V					
Power grid voltage range (Vac)	310~480Vac					
Rated power grid frequency	50Hz/60Hz					
Grid frequency range	45~55Hz/55~65Hz					
THD	<2% (Under the rated power)					
Power factor	>0.99 (Under rated power) / Adjustable range 0.8 (Leading) ~ 0.8 (Lagging)					
DC component	<0.5% (Under rated power)					
<b>SYSTEM DATA</b>						
MPPT efficiency (%)	99%					
Max. efficiency (%)	98.7%					
Humidity	0~100%, Non condensation					
Cooling	Intelligent forced air cooling					
Allowed ambient temperature range	-25°C ~ +60°C					
Consumption during night	<1W					
Noise	<50dB					
Max. altitude	4000m					
<b>MECHANICAL DATA</b>						
Size (Width × Height × Depth)	427×450×204 mm					
Weight (kg)	15 kg					
Protection class	IP66					
<b>DISPLAY &amp; COMMUNICATION</b>						
Communication interface	WIFI					
Human machine interface	LCD					
<b>CERTIFICATES</b>						
BIS	IS 16221 (PART 2): 2015/ IEC 62109-2: 2011 AND IS 16169: 2019/ IEC 62116: 2014 AND IS 17980: 2022/IEC 62891:2020					

## On-grid Inverter

**VET-18.0 / 20.0 / 25.0 / 30.0 KW**

# VET Series

Three-Phase & Dual-MPPT



## FEATURES



### Flexible Design

- Multi-communication interface: RS485, GPRS (optional), Wifi (optional)
- DC breaker, easy to maintain and safe to use
- Digital DSP control technology



### Grid Friendly

- Adjustable reactive power
- Power factor from 0.8 leading to 0.8 lagging
- Active and passive anti-islanding protection
- Zero Export Function



### Efficient Conversion

- Transformerless, max. efficiency is up to 98.8%
- MPPT efficiency is up to 99%
- Ad po lea Act ant total current THD < 2%
- Three-level SVPWM control technology
- Increase DC voltage utilization



### Excellent Qualities

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# Technical Specifications

TECHNICAL DATA	VET-18.0 KW	VET-20.0 KW	VET-25.0 KW	VET-30.0 KW
Max. DC input voltage (VDC)	1100V		1100V	
MPPT voltage range (VDC)	180~1000V		180~1000V	
Max. DC current (A)	20/40A		40/40A	
Recommended working voltage (VDC)	650V		650V	
MPPT number	2		2	
Max. input strings per MPP tracker	1/2		2/2	
<b>AC OUTPUT DATA</b>				
Rated output power (W)	18000W	20000W	25000W	30000W
Rated output current (A)	26.2A	29.1A	36.4A	43.7A
Rated power grid voltage (Vac)	400V			
Power grid voltage range (Vac)	310~480Vac			
Rated power grid frequency	50Hz/60Hz			
Grid frequency range	45~55Hz/55~65Hz			
THD	<2% (Under the rated power)			
Power factor	>0.99 (Under rated power) / Adjustable range 0.8 (Leading) ~ 0.8 (Lagging)			
DC component	<0.5% (Under rated power)			
<b>SYSTEM DATA</b>				
MPPT efficiency (%)	99%			
Max. efficiency (%)	98.8%			
Humidity	0~100%, Non condensation			
Cooling	Intelligent forced air cooling			
Allowed ambient temperature range	-25°C ~ +60°C			
Consumption during night	<1W			
Noise	<50dB			
Max. altitude	4000m			
<b>MECHANICAL DATA</b>				
Size (Width × Height × Depth)	427×450×204 mm			
Weight (kg)	15 kg			
Protection class	IP66			
<b>DISPLAY &amp; COMMUNICATION</b>				
Communication interface	WIFI			
Human machine interface	LCD			
<b>CERTIFICATES</b>				
BIS	IS 16221 (PART 2): 2015/ IEC 62109-2: 2011 AND IS 16169: 2019/ IEC 62116: 2014 AND IS 17980: 2022/IEC 62891:2020			

## On-grid Inverter

**VET-33.0 / 35.0 / 40.0 / 50.0 / 60.0 / 70.0 KW**

# VET Series

Three-Phase & Dual-MPPT



## FEATURES



### Flexible Design

- Multi-communication interface: RS485, GPRS (optional), Wifi (optional)
- DC breaker, easy to maintain and safe to use
- Digital DSP control technology



### Grid Friendly

- Adjustable reactive power
- Power factor from 0.8 leading to 0.8 lagging
- Active and passive anti-islanding protection
- DC voltage utilization
- Zero Export Function



### Efficient Conversion

- Transformerless, max. efficiency is up to 99%
- MPPT efficiency is up to 98.6%
- Ad po lea Act ant total current THD < 2%
- Three-level SVPWM control technology
- Increase DC voltage utilization



### Excellent Qualities

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# Technical Specifications

TECHNICAL DATA	VET-33.0 KW	VET-35.0 KW	VET-40.0 KW	VET-50.0 KW	VET-60.0 KW	VET-70.0 KW
Max. DC input voltage (VDC)	1100V					
MPPT voltage range (VDC)	180~1000V					
Max. DC current (A)	40/40/20A		40/40/20/20A		45/20/45/20A	
Recommended working voltage (VDC)	650V					
MPPT number	3		4		4	
Max. input strings per MPP tracker	2/2/1		2/2/1/1		3/1/3/1	
<b>AC OUTPUT DATA</b>						
Rated output power (KW)	33 KW	35 KW	40 KW	50 KW	60 KW	70 KW
Rated output current (A)	48.1A	51A	58.3A	73A	86.5A	102.1A
Rated power grid voltage (Vac)	400V					
Power grid voltage range (Vac)	310~480Vac					
Rated power grid frequency	50Hz/60Hz					
Grid frequency range	45~55Hz/55~65Hz					
THD	<2% (Under the rated power)					
Power factor	>0.99 (Under rated power) / Adjustable range 0.8 (Leading) ~ 0.8 (Lagging)					
DC component	<0.5% (Under rated power)					
<b>SYSTEM DATA</b>						
MPPT efficiency (%)	99%					
Max. efficiency (%)	98.6%					
Humidity	0~100%, Non condensation					
Cooling	Intelligent forced air cooling					
Allowed ambient temperature range	-25°C ~ +60°C					
Consumption during night	<1W					
Noise	<50dB					
Max. altitude	4000m					
<b>MECHANICAL DATA</b>						
Size (Width × Height × Depth)	610×564×218 mm					
Weight(kg)	37 kg					
Protection class	IP66					
<b>DISPLAY &amp; COMMUNICATION</b>						
Communication interface	WIFI					
Human machine interface	LCD					
<b>CERTIFICATES</b>						
BIS	IS 16221 (PART 2): 2015/ IEC 62109-2: 2011 AND IS 16169: 2019/ IEC 62116: 2014 AND IS 17980: 2022/IEC 62891:2020					

## On-grid Inverter

**VET-80.0 / 100.0 / 110.0 / 125.0 / 136.0 KW**

### VET Series Three-Phase & Dual-MPPT



## FEATURES



### Flexible Design

- Multi-communication interface: RS485, GPRS (optional), Wifi (optional)
- Intelligent forced air cooling
- DC breaker, easy to maintain and safe to use
- Digital DSP control technology



### Grid Friendly

- Adjustable reactive power
- Power factor from 0.8 leading to 0.8 lagging
- Active and passive anti-islanding protection
- DC voltage utilization
- Zero Export Function



### Efficient Conversion

- Transformerless, max. efficiency is up to 99%
- MPPT efficiency is up to 98.6%
- Total current THD < 2%
- Three-level SVPWM control technology
- Increase DC voltage utilization



### Excellent Qualities

- CQC Gold Sun Certification
- TUV Certification
- SAA Certification
- CE Certification

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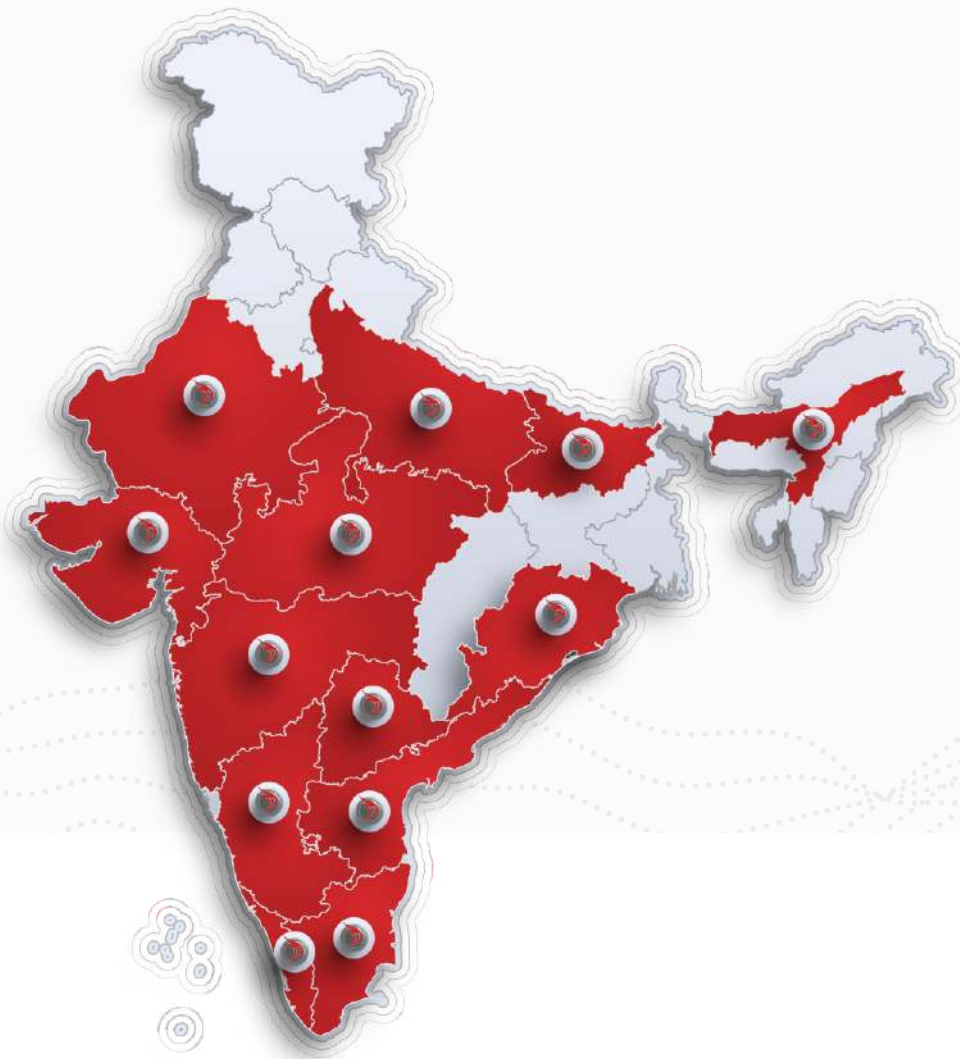


# Technical Specifications

TECHNICAL DATA	VET-80.0 KW	VET-100.0 KW	VET-110.0 KW	VET-125.0 KW	VET-136.0 KW
Max. DC input voltage (VDC)	1100V				
MPPT voltage range (VDC)	200~1000V				
Max. DC current (A)	40/40/20/20/40/40/20/20A				
Recommended working voltage (VDC)	650V				
MPPT number	8				
Max. input strings per MPP tracker	2/2/1/1/2/2/1/1				
AC OUTPUT DATA					
Rated output power (KW)	80 KW	100 KW	110 KW	125 KW	136 KW
Rated output current (A)	116.7A	146A	160.5A	182.2A	198.2A
Rated power grid voltage (Vac)	400V				
Power grid voltage range (Vac)	310~480Vac				
Rated power grid frequency	50Hz/60Hz				
Grid frequency range	45~55Hz/55~65Hz				
THD	<2% (Under the rated power)				
Power factor	>0.99 (Under rated power) / Adjustable range 0.8 (Leading) ~ 0.8 (Lagging)				
DC component	<0.5% (Under rated power)				
SYSTEM DATA					
MPPT efficiency (%)	99%				
Max. efficiency (%)	98.6%				
Humidity	0~100%, Non condensation				
Cooling	Intelligent forced air cooling				
Allowed ambient temperature range	-25°C ~ +60°C				
Consumption during night	<1W				
Noise	<50dB				
Max. altitude	4000m				
MECHANICAL DATA					
Size (Width × Height × Depth)	1050×620×333 mm				
Weight(kg)	85 kg				
Protection class	IP66				
DISPLAY & COMMUNICATION					
Communication interface	WIFI				
Human machine interface	LCD				
CERTIFICATES					
BIS	IS 16221 (PART 2): 2015/ IEC 62109-2: 2011 AND IS 16169: 2019/ IEC 62116: 2014 AND IS 17980: 2022/IEC 62891:2020				

## National Presence

Trusted Energy.  
Nationwide Reach.



- Gujarat
- Maharashtra
- Rajasthan
- Odisha
- Tamil Nadu
- Andhra Pradesh
- Uttar Pradesh
- Madhya Pradesh
- Karnataka
- Assam
- Bihar
- Kerala
- Telangana



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