



**X01 Series Inverter Specifications**

Model Type	HR-INV-X01-015	HR-INV-X01-020	HR-INV-X01-030
<b>Input</b>			
*Recommended Input PV Power (W) "	1875	2500	3750
Max. DC Input Power(W)	1755	2350	3500
Nom. Input Voltage(Vdc)	280	280	280
*MPPT Voltage Range(Vdc)"	150-400	150-400	150-400
*Max. Input DC Current(Adc)"	10	6+6	10+10
*Number of Input Connections(pair)"	1	2	2
*Number of MPPT Channel"	1	2	2
*Input Transient Voltage Suppression"	Yes	Yes	Yes
*Earth Fault Detection and Indication"	Yes	Yes	Yes
Opposite Polarity Protection	Yes	Yes	Yes

<b>Output</b>			
*Max. Output AC Power(VA)"	1650	2200	3300
*Nom. Output AC Power(VA)"	1500	2000	3000
*Power Factor"	>0.99	>0.99	>0.99
*Output Current THD"	<4%	<4%	<4%
*Nom. Grid Voltage(Vrms)"	"220/230/240 50Hz/120/240 60Hz"	"220/230/240 50Hz 120/240 60Hz"	"220/230/240 50Hz 120/240 60Hz"
*Grid Voltage Range(Vrms)"	88%-110% of nom grid voltage by default, adjusted to local regulation	88%-110% of nom grid voltage by default, adjusted to local regulation	88%-110% of nom grid voltage by default, adjusted to local regulation
*Rated Output AC Current(Arms)"	6.5	8.7	13.0
*Max. Output AC Current(Arms)"	7.0	10.0	15.0
*Grid Frequency Range(Hz)"	50/60±0.5Hz by default, adjusted to local regulation	50/60±0.5Hz by default, adjusted to local regulation	50/60±0.5Hz by default, adjusted to local regulation
*Transformer Isolation Between System and Grid"	Yes	Yes	Yes
Output Transient Voltage Suppression	Yes	Yes	Yes
*Anti-islanding"	Yes, comply with UL 1741/IEEE1547/VDE0125-1-1/AS4777	Yes, comply with UL 1741/IEEE1547/VDE0125-1-1/DK5940/AS4777	Yes, comply with UL 1741/IEEE1547/VDE0125-1-1/DK5940/AS4777
*Electromagnetic Compatibility"	"EN61000-6-1/6-2/6-3/6-4/3-2/3-3"	"EN61000-6-1/6-2/6-3/6-4/3-2/3-3"	"EN61000-6-1/6-2/6-3/6-4/3-2/3-3"

<b>Power Efficiency(with isolation)</b>			
Max Efficiency	>94%	>94.0	>94.5
European Efficiency	>92%	>92.5	>93.0

<b>Packaging</b>			
Enclosure	IP65, for indoor and outdoor installation	IP65, for indoor and outdoor installation	IP65, for indoor and outdoor installation
Weight(kg)	27	36.5	42.5
Dimension(H x W x D. mm)	344x415x205	370x525x225	370x525x225

<b>Environment</b>			
*Operation Ambient Temperature(°C) "	-25~ +50	-25~ +50	-25~ +50
*Storage Ambient Temperature(°C)"	-40~ +70	-40~ +70	-40~ +70
Elevated Above Sea Level(m)	4000(Max. Temp +30°C)	4000(Max. Temp +30°C)	4000(Max. Temp +30°C)