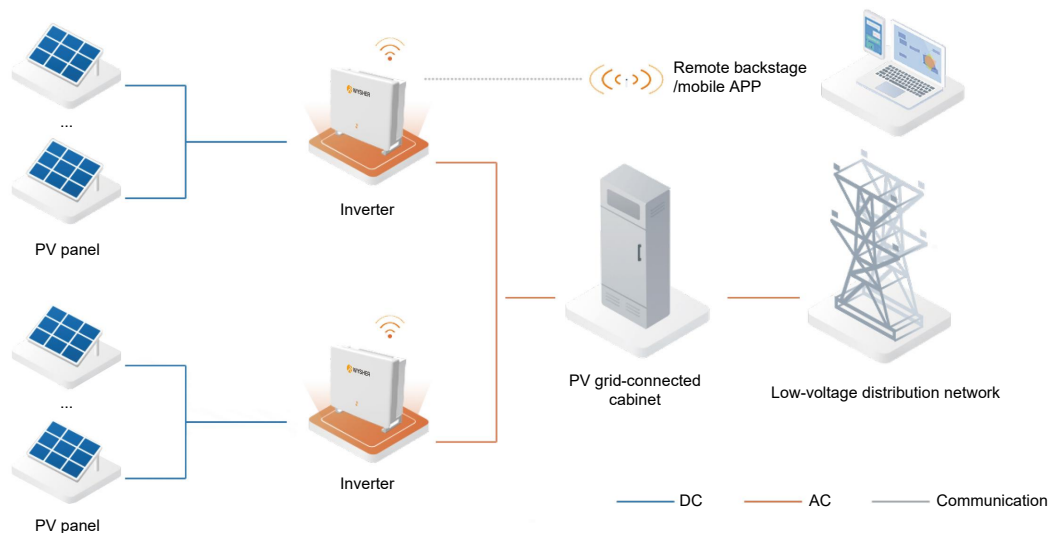


# Commercial & Industrial Inverter



## Product Advantages

- MPPT current is up to 40 A, suitable for high power and double-sided modules
- Built-in PID repair function to improve the power generation performance of modules
- IP66 high ingress protection rating
- Quick-plug terminal design, simple and fast wiring
- OTA online remote firmware upgrade makes system updates convenient and easy



# Commercial & Industrial Inverter 25-50kW

| Model | TU-25K3P | TU-30K3P | TU-33K3P | TU-36K3P | TU-40K3P | TU-40K3P-HV | TU-50K3P-HV |
|-------|----------|----------|----------|----------|----------|-------------|-------------|
|-------|----------|----------|----------|----------|----------|-------------|-------------|

## DC Input

|                                           |           |      |      |       |      |      |      |
|-------------------------------------------|-----------|------|------|-------|------|------|------|
| Max. input power                          | 33kW      | 39kW | 43kW | 47kW  | 52kW | 52kW | 65kW |
| Max. input voltage                        | 1100V     |      |      |       |      |      |      |
| Rated input voltage                       | 600V      |      |      |       | 720V |      |      |
| Start-up voltage                          | 180V      |      |      |       |      |      |      |
| MPPT voltage range                        | 200-1000V |      |      |       |      |      |      |
| Max. input current                        | 3*26A     |      |      | 4*26A |      |      |      |
| Max. short-circuit current                | 3*40A     |      |      | 4*40A |      |      |      |
| MTTP number /<br>Max. number of PV series | 3/6       |      |      | 4/8   |      |      |      |

## AC Output

|                      |                                 |        |        |        |        |            |        |
|----------------------|---------------------------------|--------|--------|--------|--------|------------|--------|
| Rated output power   | 25kW                            | 30kW   | 33kW   | 36kW   | 40kW   | 40kW       | 50kW   |
| Rated output current | 38.0kW                          | 45.6kW | 50.1kW | 54.7kW | 60.8kW | 48.1kW     | 60.1kW |
| Max. output current  | 41.8A                           | 50.2A  | 55.1A  | 60.2A  | 66.9A  | 53.0A      | 66.2A  |
| Rated grid voltage   | 3/NPE, 220/380V                 |        |        |        |        | 3/PE, 480V |        |
| Output power factor  | >0.99 (0.8 ahead ~ 0.8 lagging) |        |        |        |        |            |        |
| THDi                 | <3% at rated power              |        |        |        |        |            |        |

## Efficiency

|                            |        |        |        |        |        |
|----------------------------|--------|--------|--------|--------|--------|
| Max. conversion efficiency | 98.50% | 98.60% | 98.70% | 98.70% | 98.70% |
| Chinese efficiency         | 97.90% | 98.00% | 98.10% | 98.20% | 98.10% |

## General

|                           |                     |                                   |
|---------------------------|---------------------|-----------------------------------|
| Dimensions (W*H*D)        | 616mm*500mm*216mm   |                                   |
| Weight                    | 35kg                | 38kg                              |
| Degree of protection      | IP66                |                                   |
| Isolation                 | Without transformer |                                   |
| Self-consumption at night | <1W                 |                                   |
| Cooling                   | Natural cooling     | Intelligent redundant air cooling |



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