

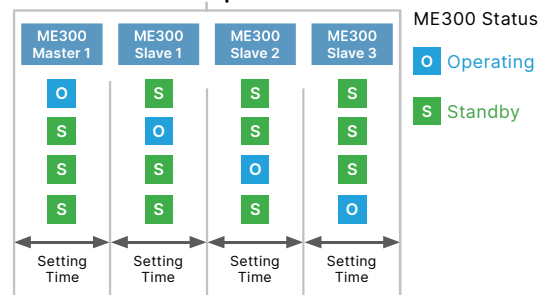
Basic Compact Drive ME300

Compact Design for Basic Applications

- Overload capacity up to 150%/60 secs and 200%/3 secs for various constant torque loads
- Supports IM/IPM/SPM motors
- High torque of 200% at low speed 3Hz
- Built-in braking chopper
- Pulse/PWM input as frequency command
- Built-in EMC filter^(optional) and Safe Torque Off (STO) SIL2/PL d^(optional)
- Built-in sleep mode, water leak inspection, and multi-pump (in parallel) alternative operation function
- PCB with 100% conformal coating; compliant with IEC 60721-3-3 Class 3C3
- Built-in Modbus protocol
- Macro function for quick parameter setting for pumps, conveyor systems, and more
- Supports pull-out operation panel^(optional)



Alternate Operation



Pumping Functions

- Sleep mode and water leakage detection: Enters/Maintains sleep status at constant voltage to avoid frequent start and stop (parameter configuration required)
- Lack-of-water detection: Decelerates and stops operation for no water supply to avoid pump damage due to dry-run operation

Multi-pump Control

- Alternate operation: Multiple pumps alternately operate at regular intervals (hourly, daily, or weekly) for easy maintenance and pump lifespan extension
- Constant pressure mode: Maintains constant water output pressure and adjusts the number of pumps per requirements for water supply and energy efficiency

Constant Pressure Mode

ME300 Master 1	ME300 Slave 1	ME300 Slave 2	ME300 Slave 3	Water Usage
O	S	S	S	1 house icon
O	O	S	S	2 house icons
O	O	O	S	3 house icons
O	O	O	O	4 house icons



Power Range		0.1kW 0.125 HP	0.2kW 0.25 HP	0.4kW 0.5 HP	0.75 kW 1HP	1.5 kW 2 HP	2.2kW 3 HP	3kW 4 HP	3.7kW 5 HP	5.5kW 7.5 HP	7.5 kW 10 HP
ME300	Standard 0 ~ 599 Hz	115V/1-phase									
		230V/1-phase									
		230V/3-phase									
		460V/3-phase									

Applications

Logistics, Food packaging machines, Woodworking machines, Fans and pumps, Electronics, Conveyance equipment